

The diagram illustrates a computer system (100) and its connection to a network (150). The computer system (100) is represented by a large rectangle containing several internal components:

- Memory (115):** A large rectangle containing two sub-components:
 - Operating System (120):** A smaller rectangle inside the Memory block.
 - Application Program (125):** Another smaller rectangle inside the Memory block, positioned below the Operating System.
- CPU (105):** A rectangle located to the right of the Memory block.
- I/O Unit (110):** A rectangle located to the right of the Memory block, above the CPU.
- Communications Device (145):** A rectangle located at the bottom right of the computer system, below the CPU.

External components and their connections:

- Display (140):** A rectangle at the top right, connected to the I/O Unit (110) by a vertical line.
- Speaker (130):** A trapezoidal shape at the top center, connected to the I/O Unit (110) by a horizontal line.
- Headset (135):** A small device on the left, connected to the I/O Unit (110) by a horizontal line.
- Network (150):** A cloud shape at the bottom, connected to the Communications Device (145) by a vertical line labeled 155.

Fig. 1

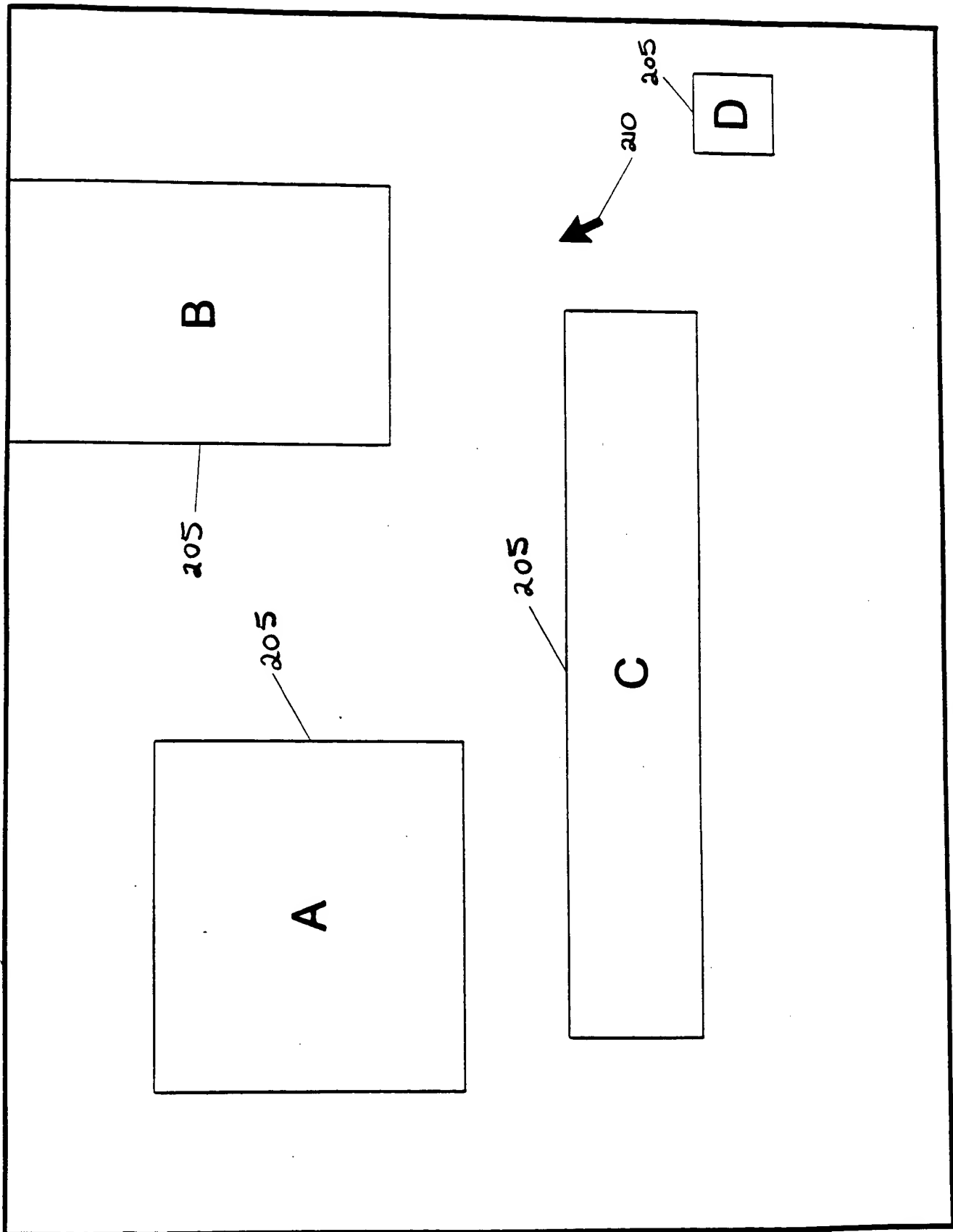


Fig. 2
PRIOR ART

Fig. 3A
PRIOR ART

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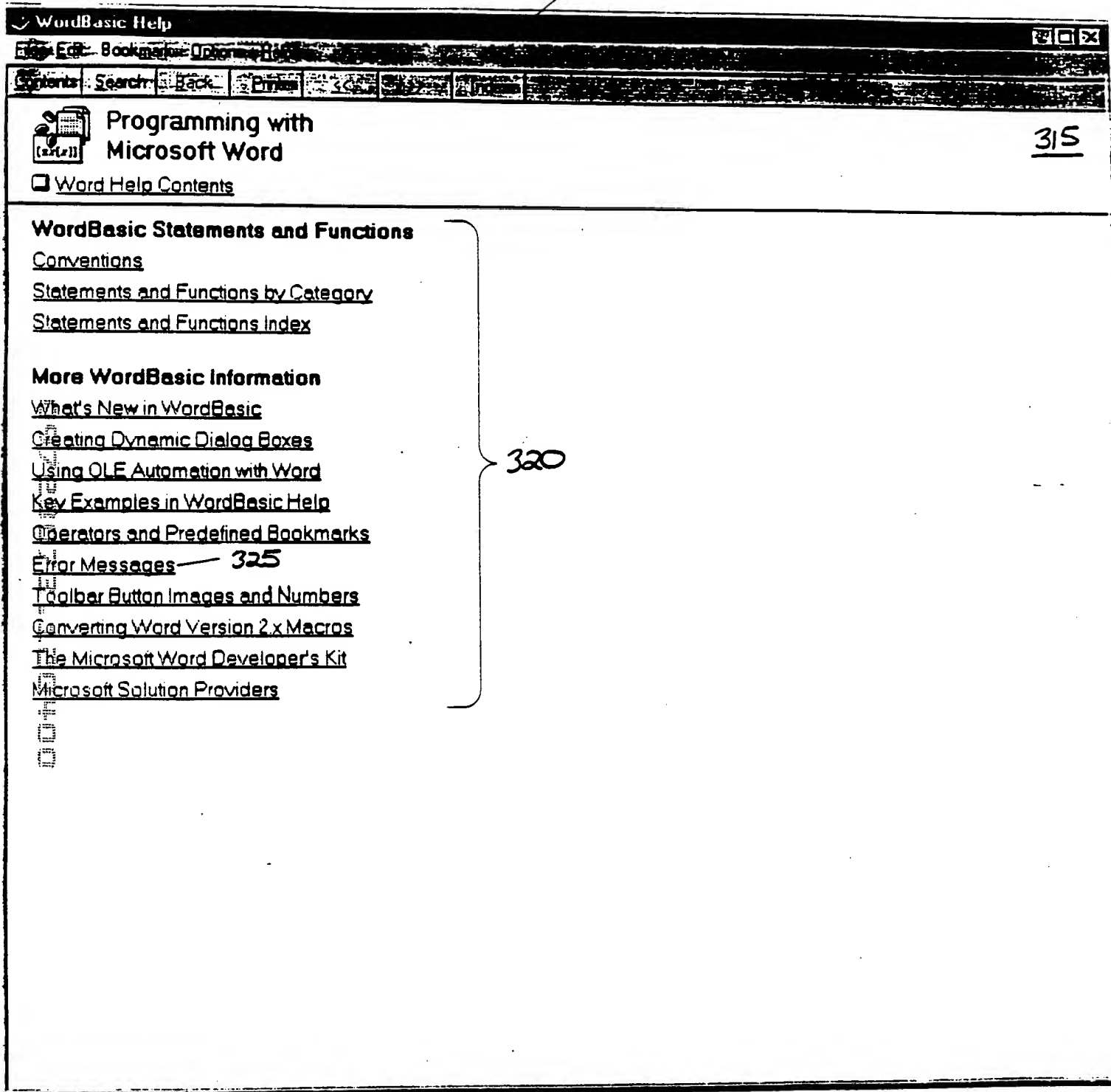


Fig. 3B
PRIOR ART

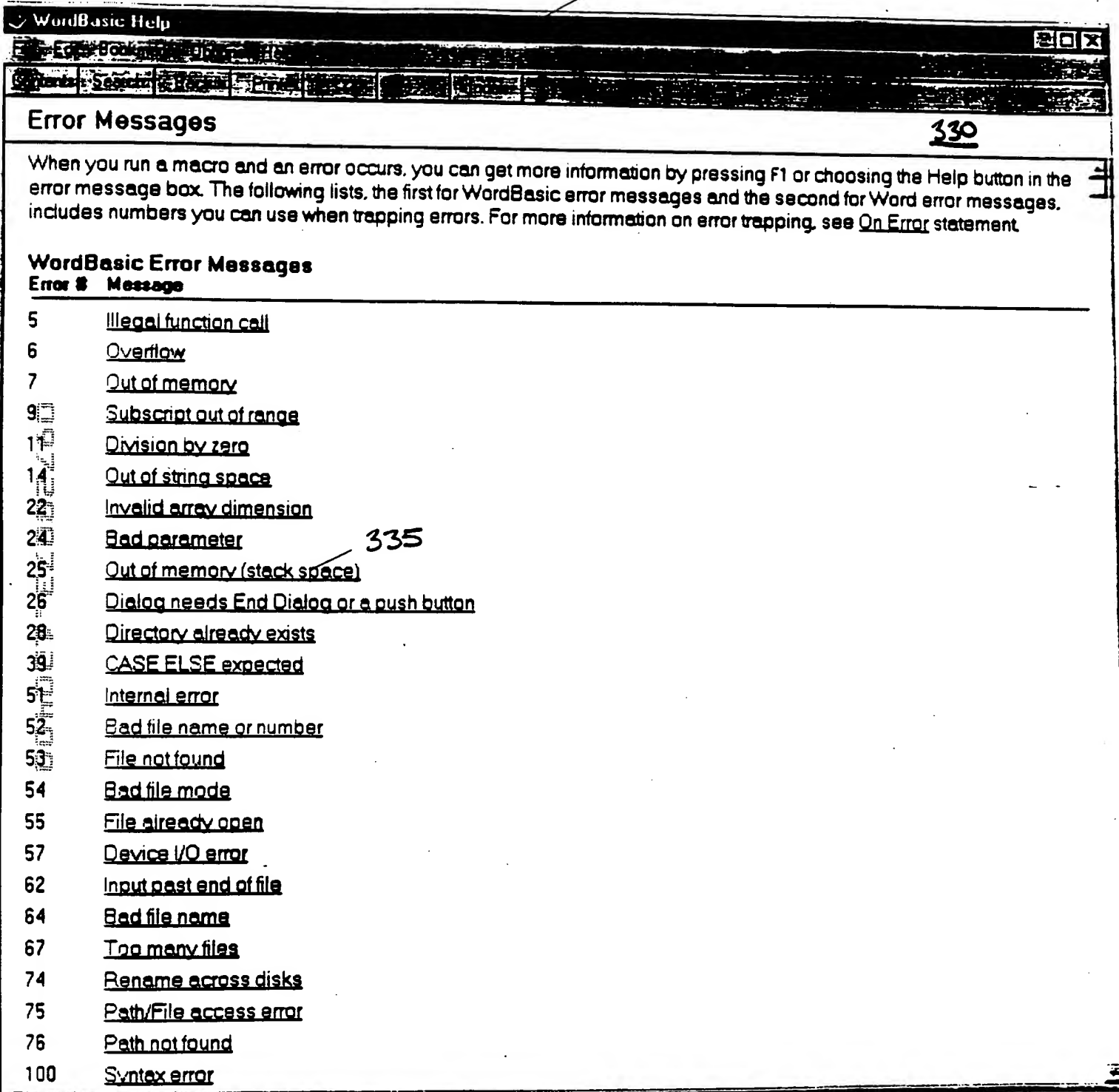


Fig. 3C
PRIOR ART

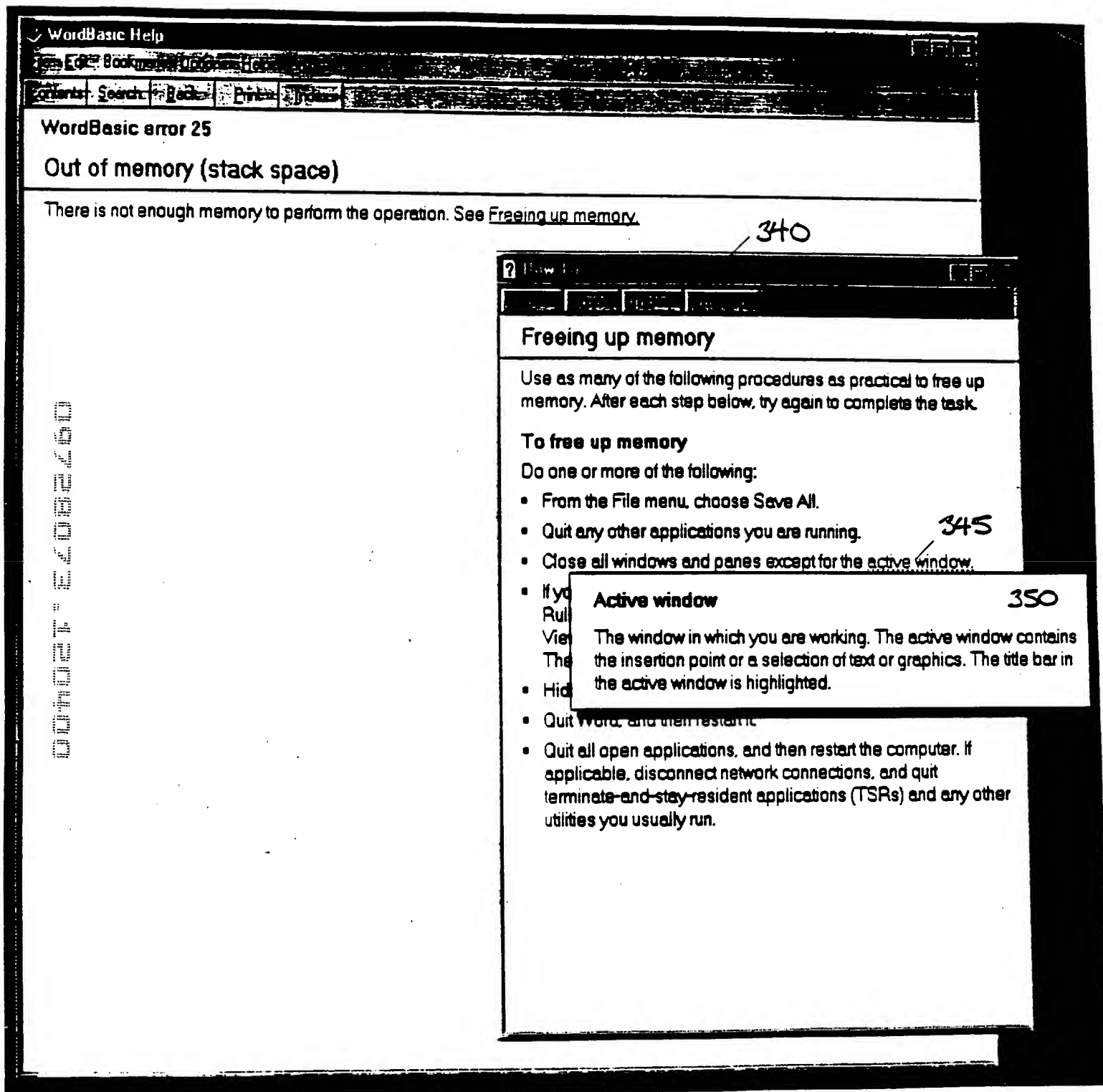


Fig. 3D
PRIOR ART

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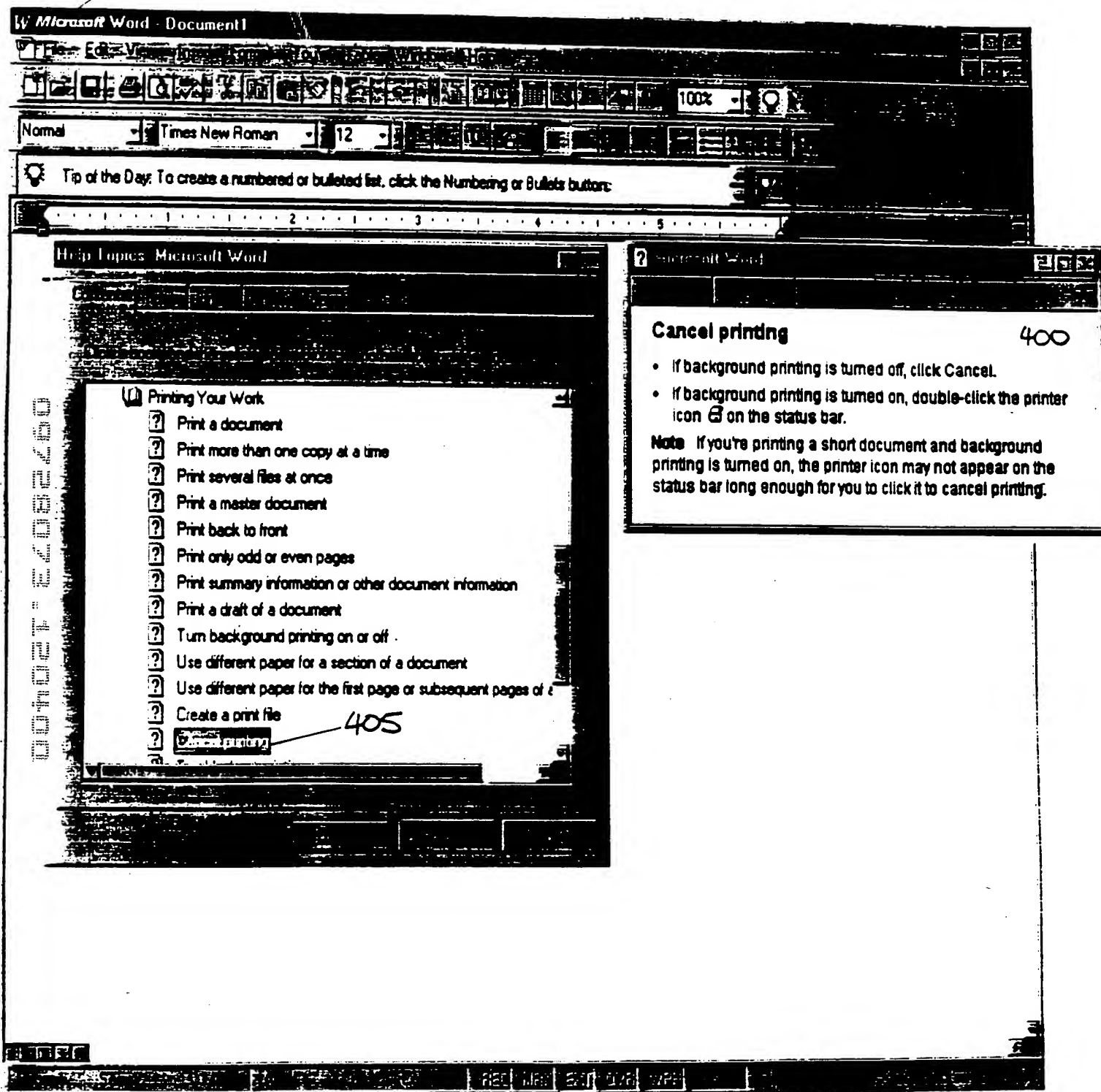


Fig. 4
PRIOR ART

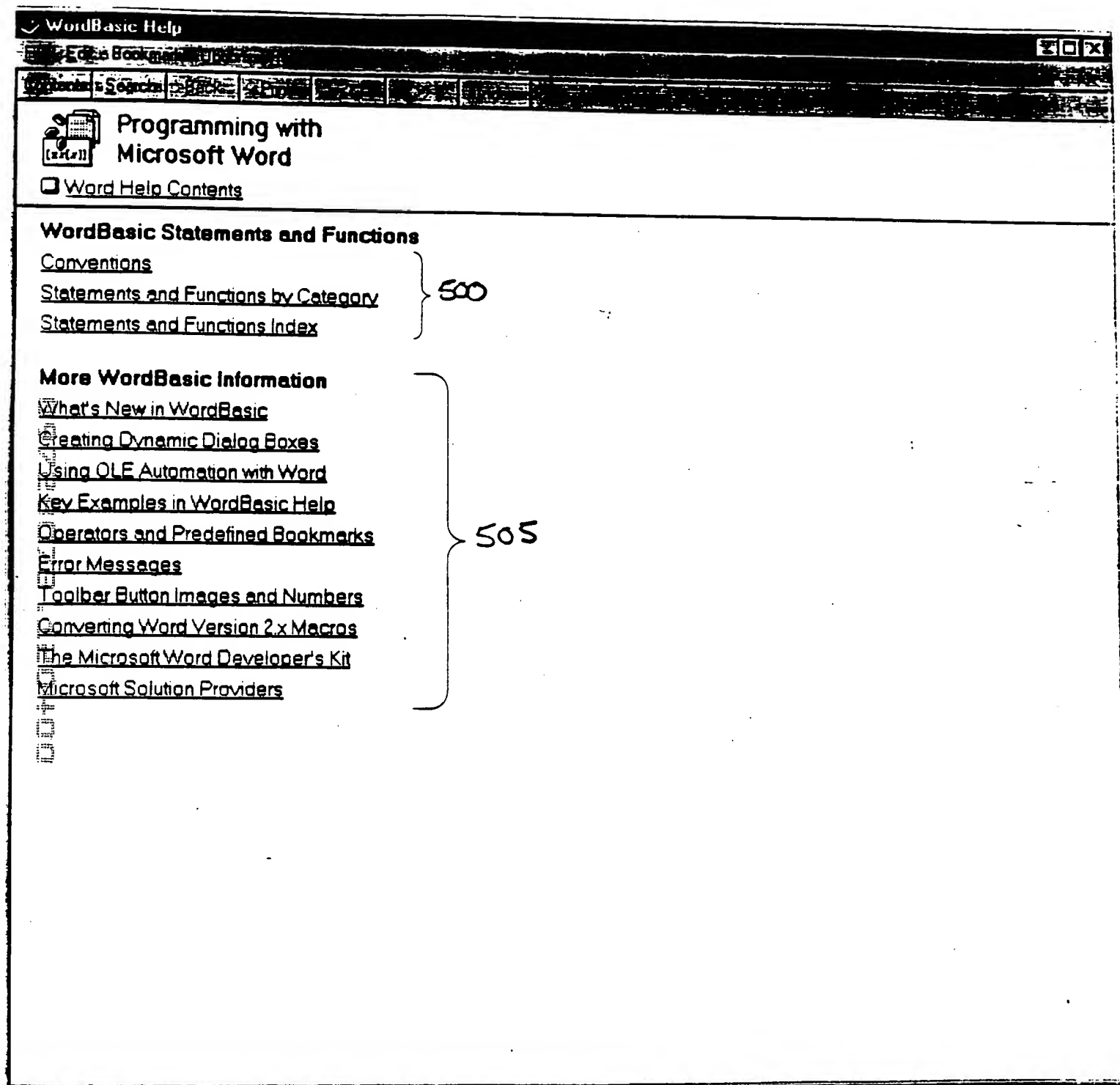


Fig. 5A
PRIOR ART

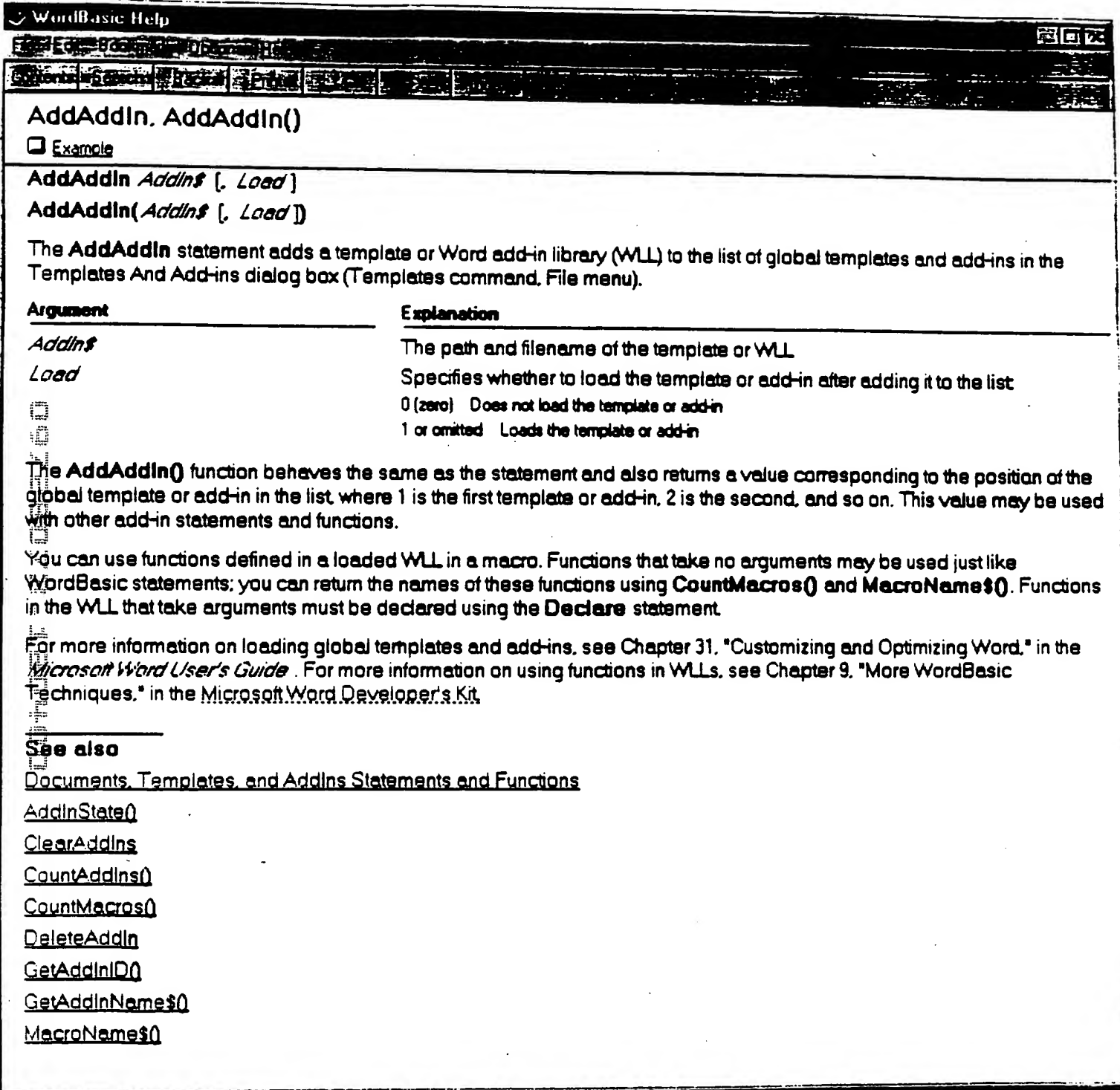


Fig. 5B
PRIOR ART

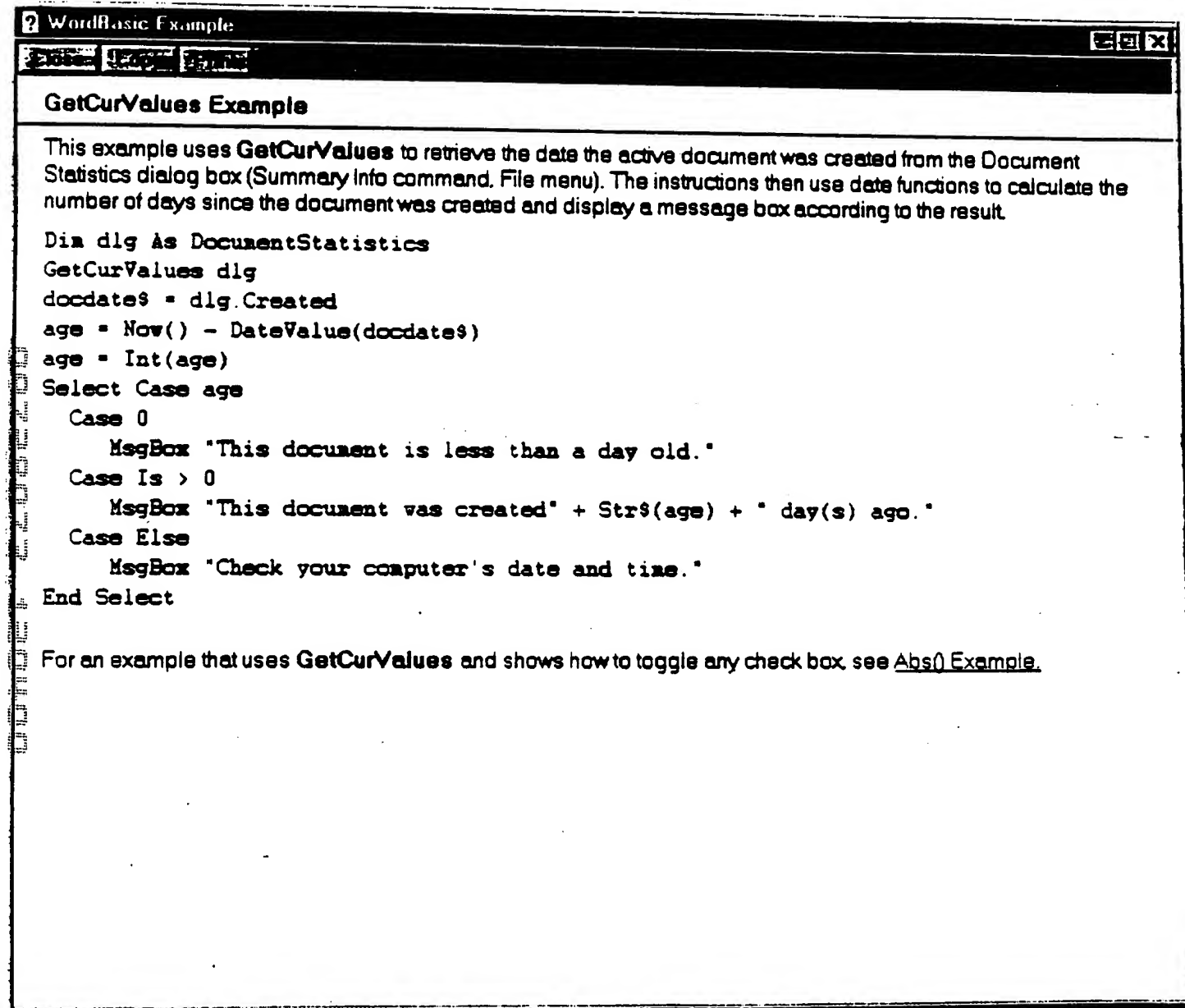


Fig. 5C
PRIOR ART

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IN THE SPOTLIGHT

Physics Societies Announce Joint Venture to Launch Virtual Journals

The American Institute of Physics (AIP) and the American Physical Society (APS) announced that the first two of a series of "virtual" journals in the physical sciences are set to launch in January, 2000.

Press Release

APS Division of Plasma Physics Employment Center

Physics and Chemistry Nobel Prizes

Two Dutch physicists win for their work toward deriving a unified framework for the forces in nature; a Caltech chemist wins for developing an ultrafast camera that captures all the steps of a chemical reaction. More detail in Physics News Update.

Find out more...

Physics Students Take a Stand Against Recent Kansas Evolution Decision

The Society of Physics Students

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Fig. 6

20040007 24000000

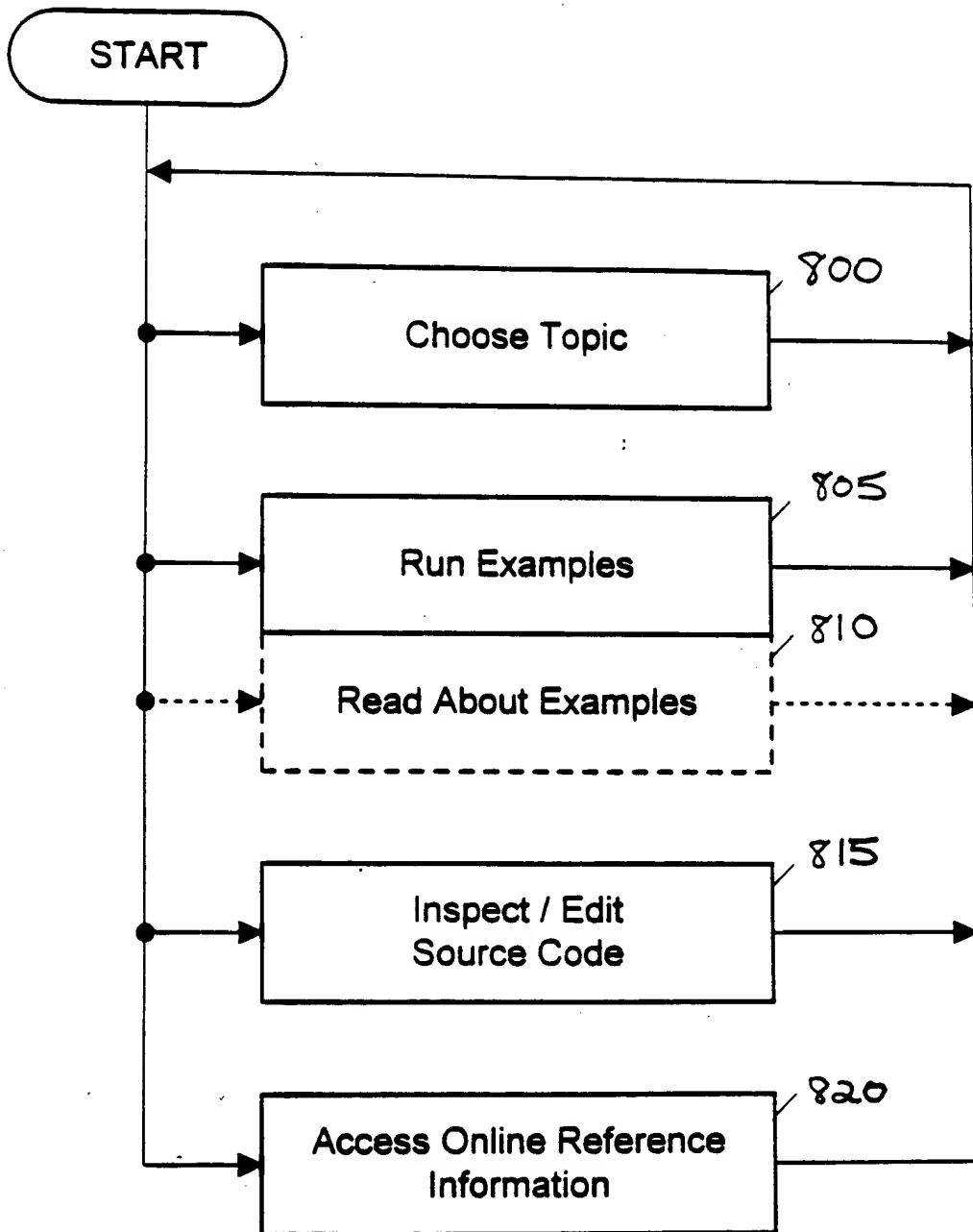


Fig. 8

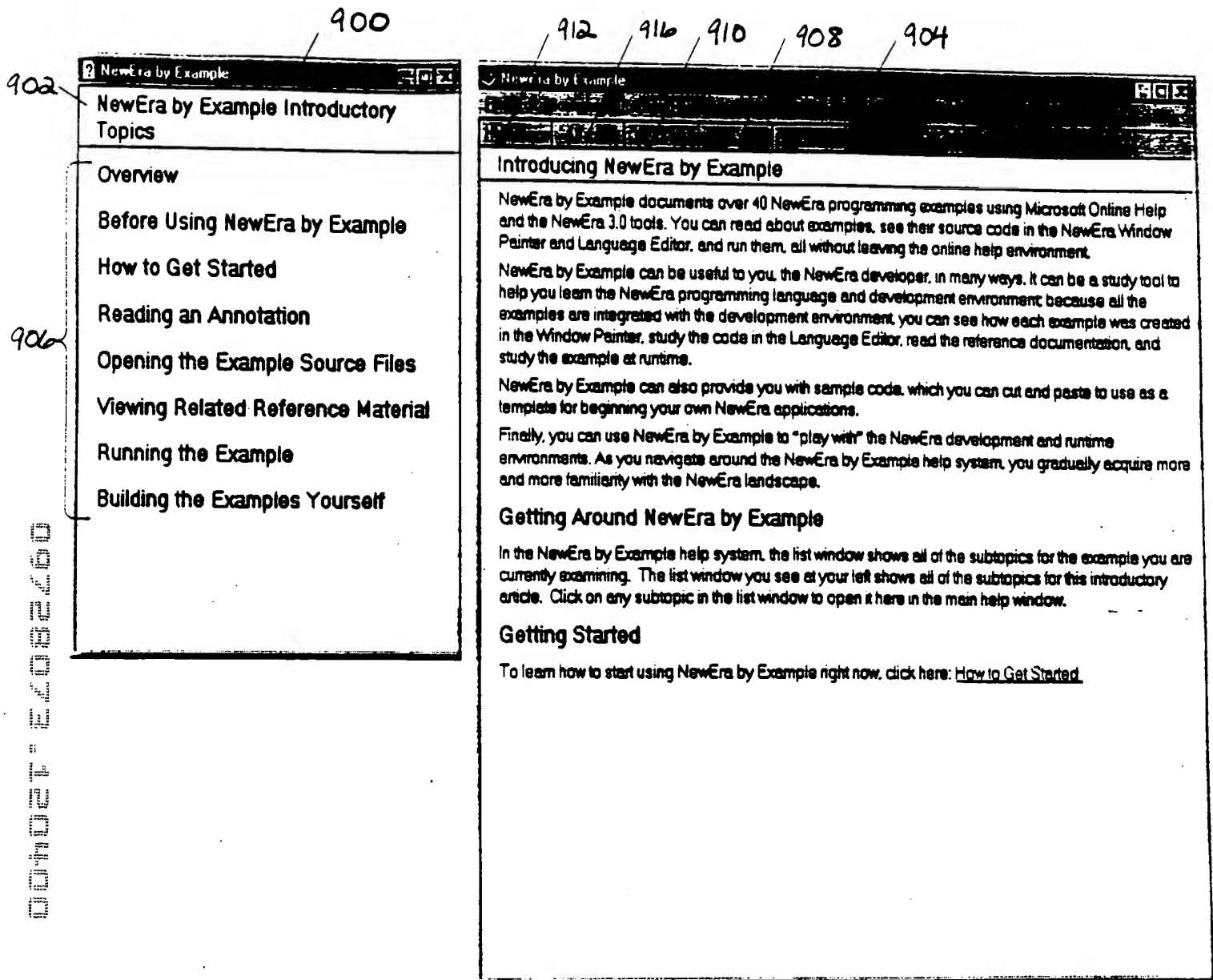


Fig. 9A

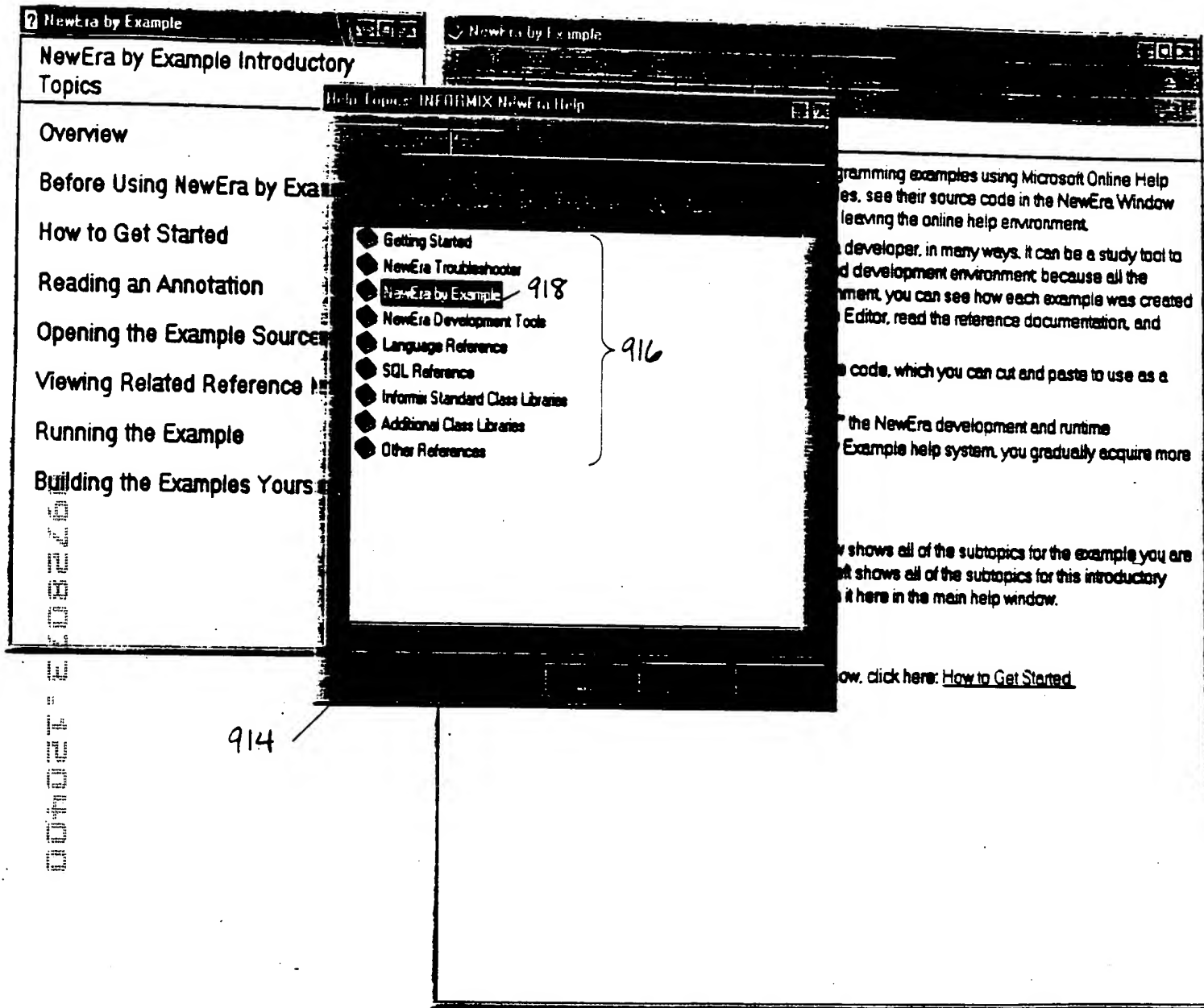


Fig. 9B

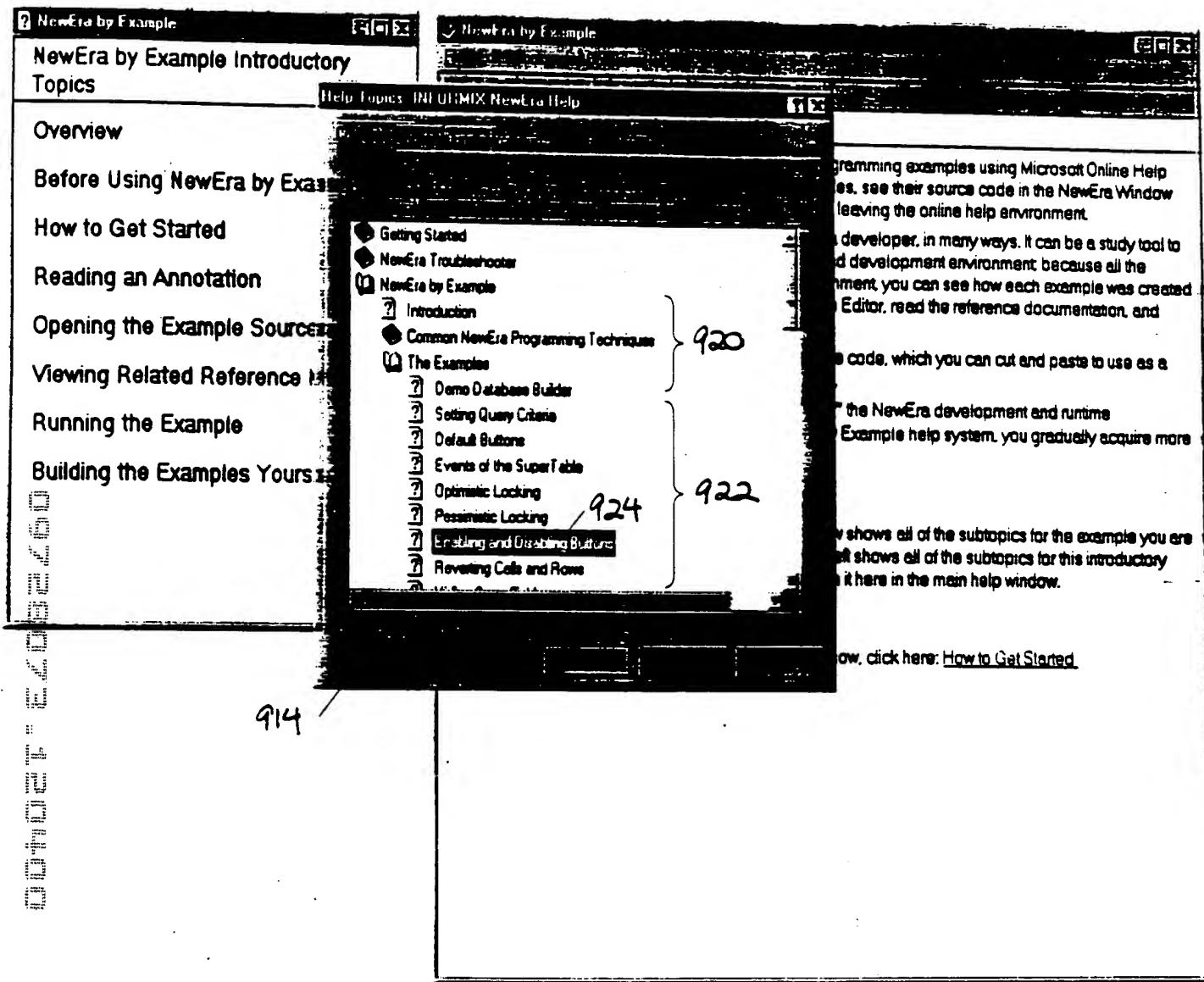


Fig. 9C

900044027-24032260 904

Features of the Button2 Example

Overview of the Buttons2 Example

Graphical Object Summary

Event Handler Summary

Important Event Handlers

Enhancements and Variations

926

exampleWin :: start()
queryBT :: activate()
findBT :: activate() 930
nextBT :: activate()
previousBT :: activate()
insertBT :: activate()
deleteBT :: activate()
applyBT :: activate()
clearBT :: activate()
exitBT :: activate()
entryWin :: pre-header extension
entryWin :: class extension
entryWin :: pre-body extension

928

Overview of the BUTTONS2 example

This example illustrates how to enhance the data-mode actions provided by the standard SuperTable with some special code to refine the user interface. It builds upon the functionality found in the Default Buttons example.

Features Introduced:

- Disabling a button to prevent errors.
- Orienting the user by displaying the number of the current row within the set of rows qualified by the query (the data set). This information serves the same purpose as the line and column numbers displayed by text editors.
- Clearing the data set when the user finishes with a query.

958 Source File Summary

The example contains the following files:
button2m.4gl 936
This file contains the MAIN() function.
button2w.wit 960
Displays a data entry window so the end user can access a database table.

Fig. 9D

904

NewEra by Example

nextBT :: activate() 934

The activate handler for the Next button.

1) button2w.wif - in nextBT handler for ixButton::activate event

```

VARIABLE ok BOOLEAN
VARIABLE SuperTable ixSuperTable
VARIABLE rowPosition INTEGER

LET SuperTable = (getVisualContainer() CAST ixSuperTable) 932
LET rowPosition = SuperTable.getCurrRowNum() + 1

Get the number of rows for the current displayMode:
IF rowPosition > SuperTable.getNumStoredRows(NULL) THEN 932
LET rowPosition = ixSuperTable::lastRow
END IF

Don't do anything w/ the return status:
LET ok = SuperTable.setCurrentCell(rowPosition, ixSuperTable::currentColumn) 932

Set the button states:
CALL (getWindow() CAST exampleWin).resetSuperTableButtons( ) 932

Show the current row position:
CALL (getWindow() CAST exampleWin).showRowInfo( ) 932

```

Fig. 4E

000001-64000000

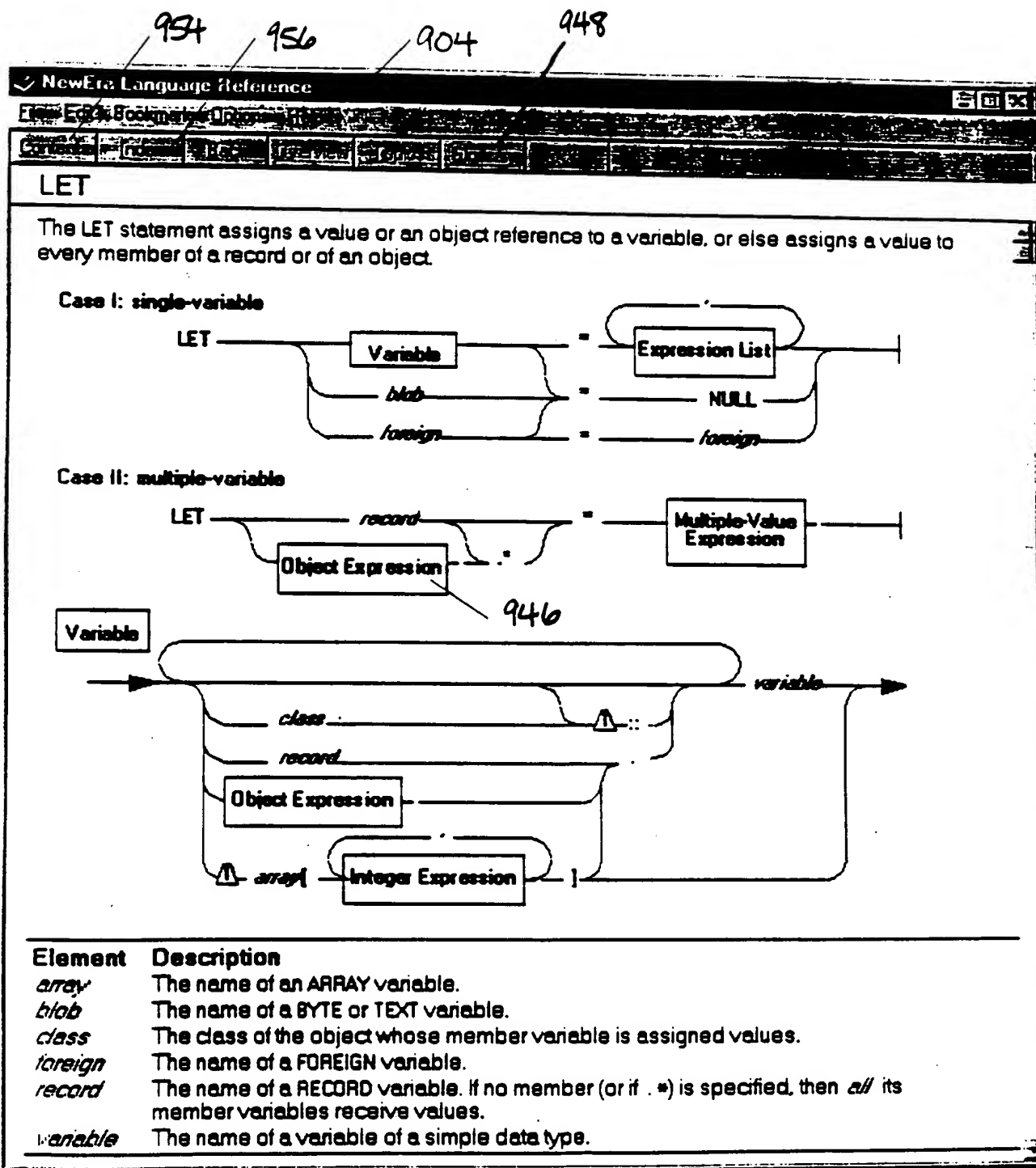


Fig. 9G

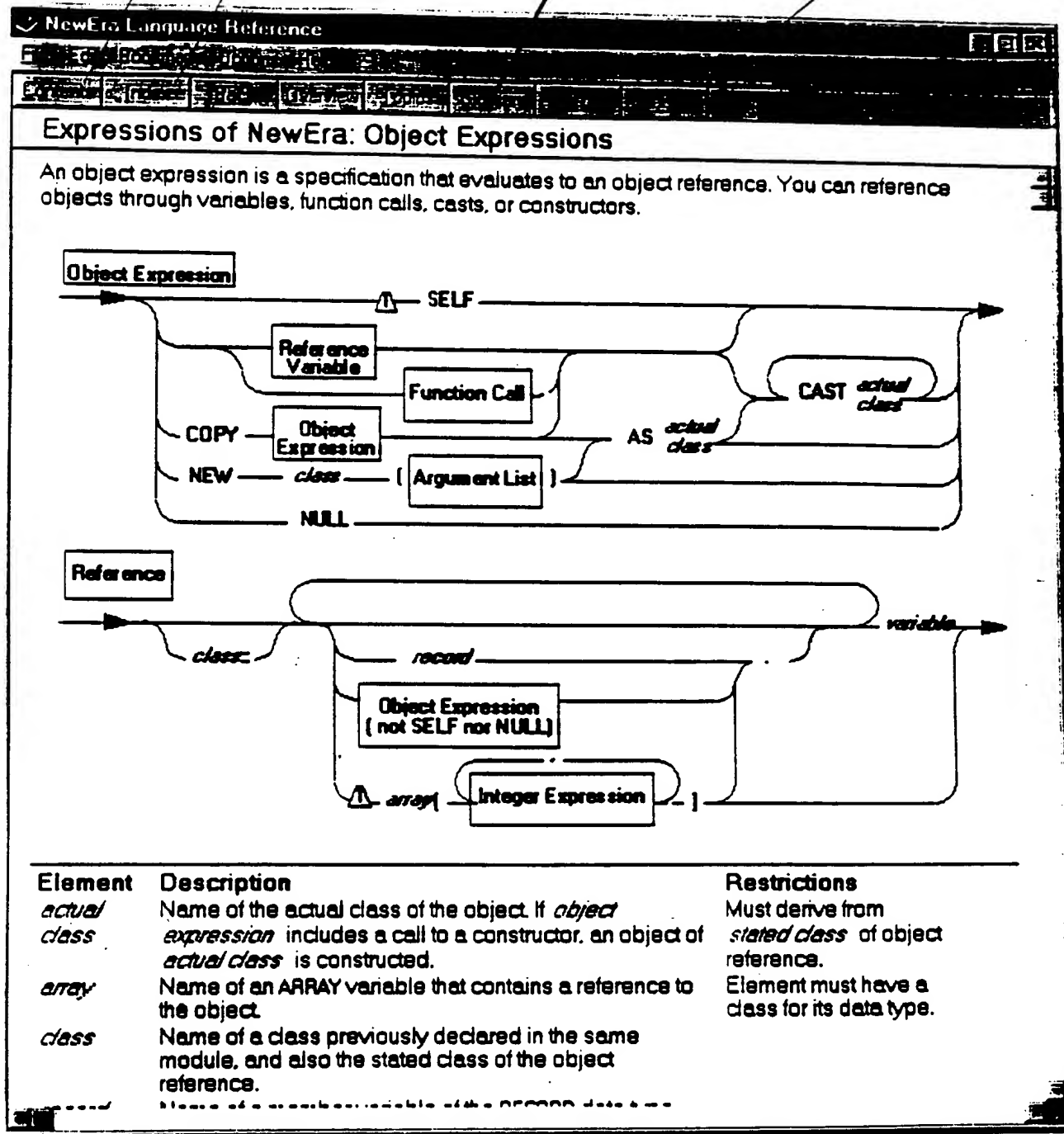


Fig. 9H

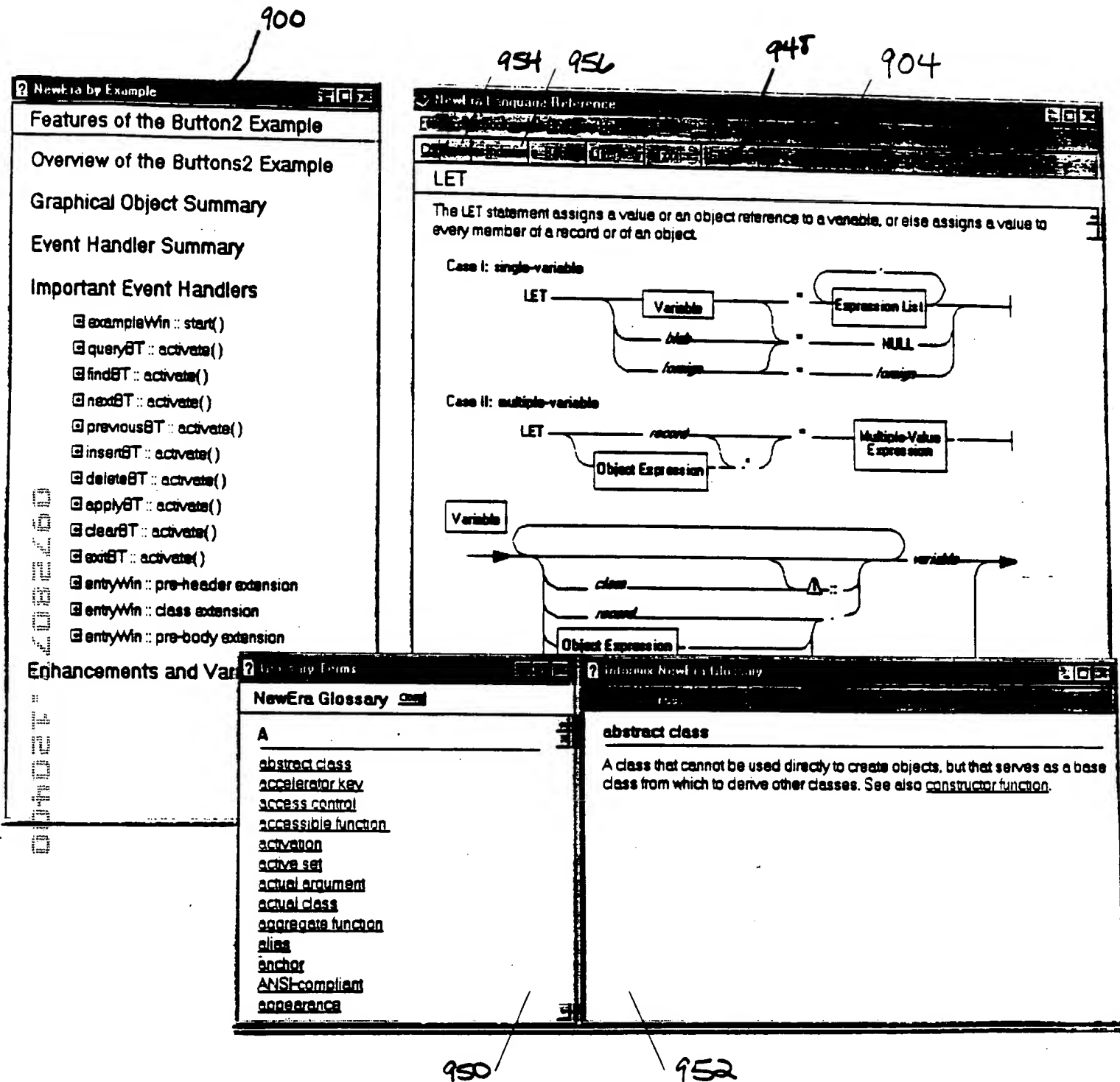


Fig. 9I

Codewright for NewEra

File Edit Search Project Database Window Help

Icons: New, Open, Save, Print, Find, Run, Stop, Break, Help, etc.

C:\NewEra3\0examples\buttons2\button2m.4gl

```
INCLUDE "annotate.4gl"  
INCLUDE SYSTEM "ixconn.4gl"  
INCLUDE "button2w.4gl"  
  
MAIN  
  VARIABLE exampleWindow exampleWin  
  CALL nebyex::annotate(buttons2_MAIN)  
  CALL ixSQLConnect::getImplicitConnection().connect("Sports")  
  LET exampleWindow = NEW exampleWin()  
  CALL exampleWindow.open()  
  
  RETURN  
  
END MAIN
```

00720073-120

NewEra by Example

Line: 5 Col: 1

Fig. 4J

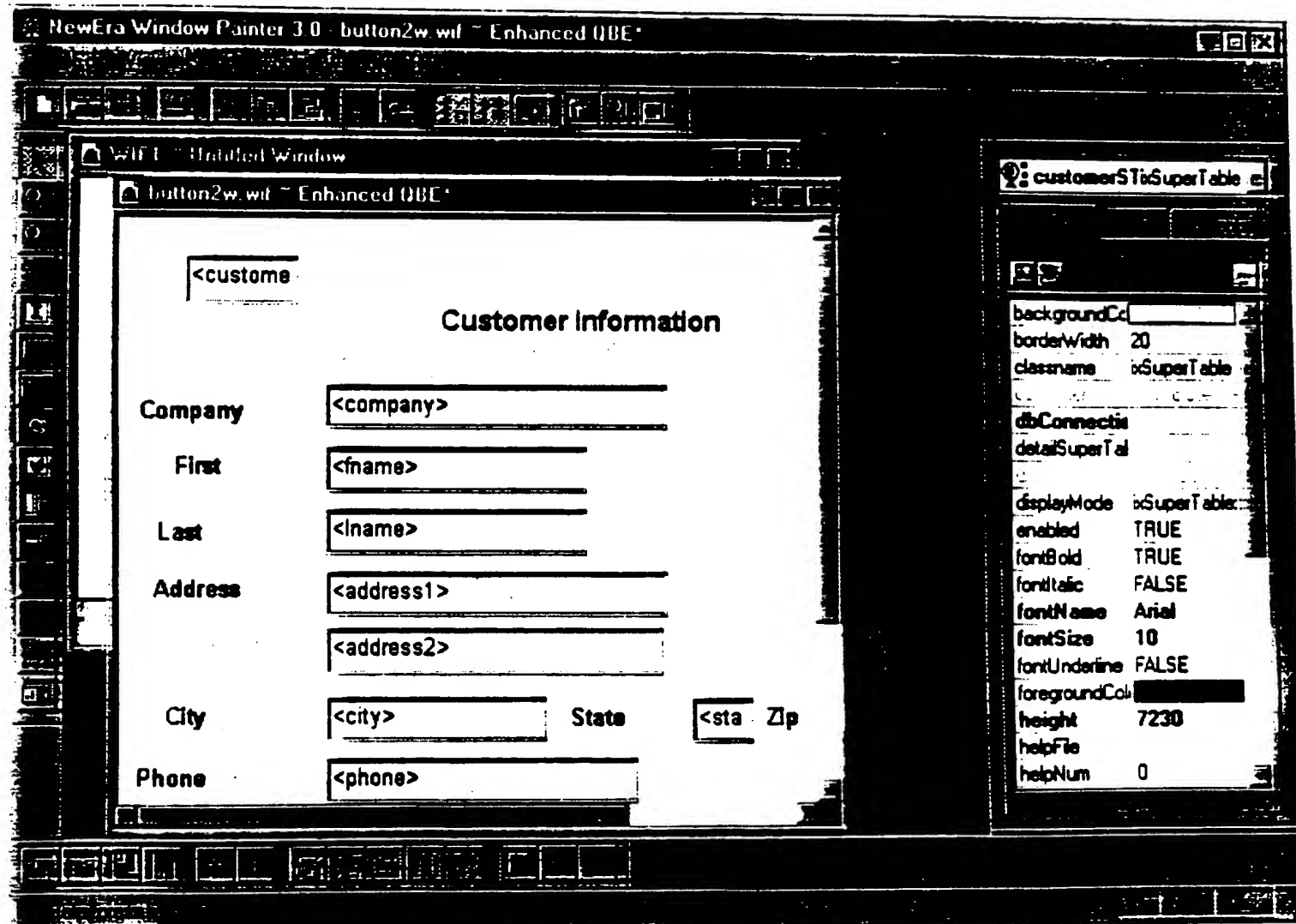


Fig. 4K

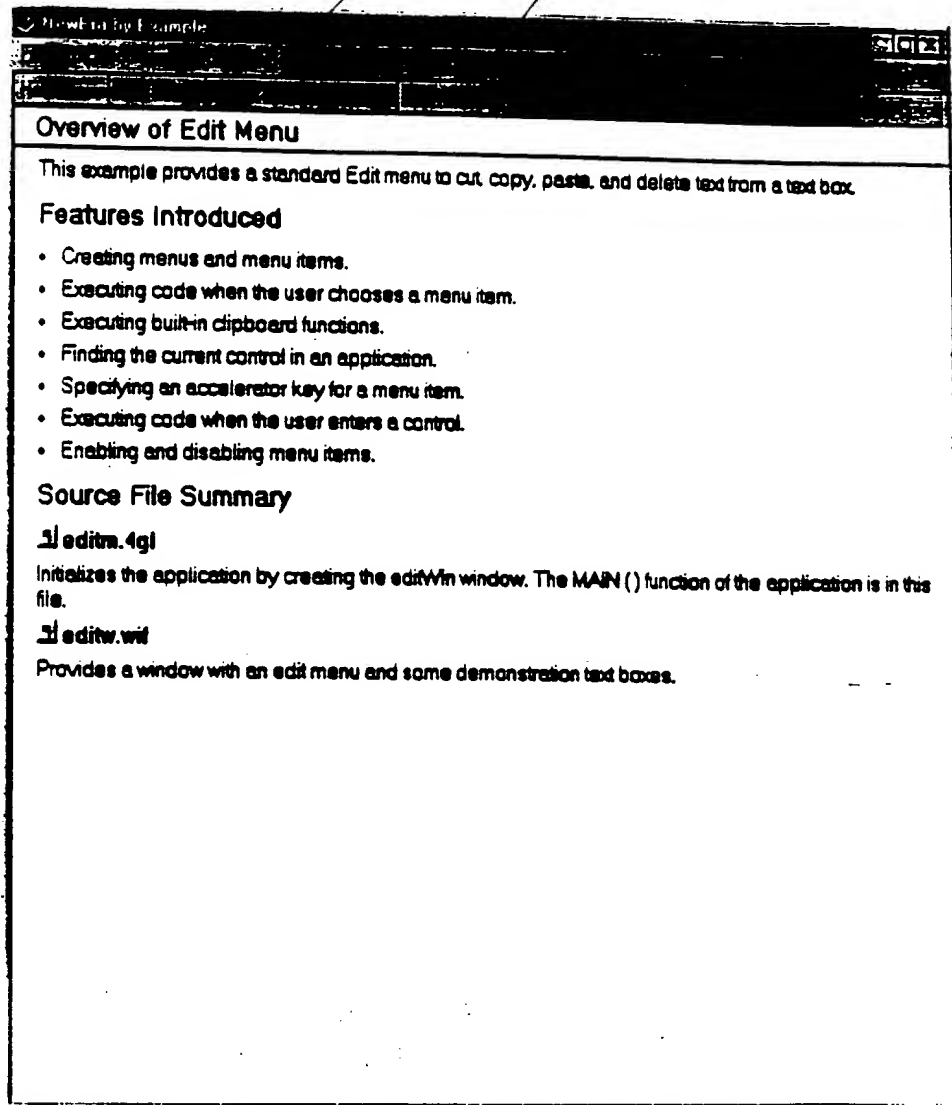
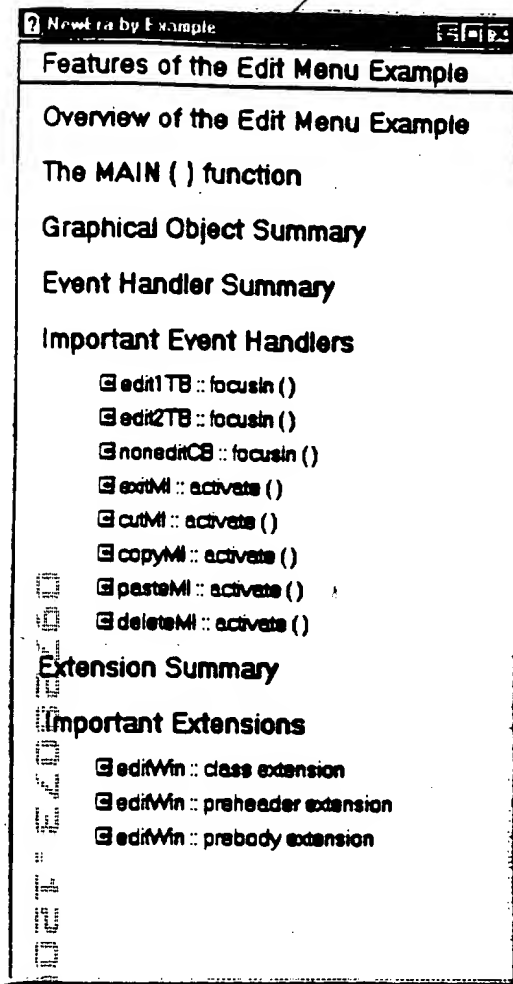


Fig. 9L

900

Newt ra by Example	
Features of the Edit Menu Example	
Overview of the Edit Menu Example	
The MAIN () function	
Graphical Object Summary	
Event Handler Summary	
Important Event Handlers	
<input type="checkbox"/> edit1TB :: focusin ()	
<input type="checkbox"/> edit2TB :: focusin ()	
<input type="checkbox"/> noneditCB :: focusin ()	
<input type="checkbox"/> editMI :: activate ()	
<input type="checkbox"/> cutMI :: activate ()	
<input type="checkbox"/> copyMI :: activate ()	
<input type="checkbox"/> pasteMI :: activate ()	
<input type="checkbox"/> deleteMI :: activate ()	
Extension Summary	
Important Extensions	
<input type="checkbox"/> editWin :: class extension	
<input type="checkbox"/> editWin :: preheader extension	
<input type="checkbox"/> editWin :: prebody extension	

904

Newt ra by Example	
The MAIN () Function	
<pre> 1 editm.4gl: MAIN VARIABLE editWin editWin LET editWin = NEW editWin() CALL editWin.open() RETURN END MAIN </pre>	
<p>Initializes the application by creating the editWin window. MAIN defines a variable in which to store a reference to the created window, creates the window, and then opens the window.</p> <p>In fact, the same actions could be performed without defining a variable as in the following example:</p> <pre> MAIN CALL (NEW editWin ()).open () RETURN END MAIN </pre> <p>The trick here is that we only need a reference to the editWin window to qualify the call to open (). Once the window is opened, the window can take care of itself. Thus, instead of capturing the reference generated by NEW in a variable, we use it instead to qualify the call to open ().</p>	

edit window

Text to edit ☐ CheckBox

More text to edit ☐

Use the edit menu to cut and paste text from one textbox to the other. Use the button to start a text editor so you can paste in the editor. Tab to the checkbox and button to see disabling of the menu items.

Fig. 9M

900

<p>NewEra by Example</p> <p>Features of the Edit Menu Example</p> <p>Overview of the Edit Menu Example</p> <p>The MAIN () function</p> <p>Graphical Object Summary</p> <p>Event Handler Summary</p> <p>Important Event Handlers</p> <ul style="list-style-type: none"> edit1TB :: focusin () edit2TB :: focusin () noneditCB :: focusin () editMI :: activate () cutMI :: activate () copyMI :: activate () pasteMI :: activate () deleteMI :: activate () <p>Extension Summary</p> <p>Important Extensions</p> <ul style="list-style-type: none"> editWin :: class extension editWin :: preheader extension editWin :: prebody extension

904

<p>NewEra by Example</p> <p>edit1TB :: focusin ()</p> <p>editw.win - in edit1TB handler for xTextBox.focusin event</p> <p>VARIABLE</p> <p>win editWin = getWindow ()</p> <p>CALL win.setEditItemsEnabled (SELF)</p> <p>LET editWin = getWindow ()</p> <p>In the handler of the window, the members of the window are in scope. The members in scope include the graphical objects that you paint within the window.</p> <p>In the handlers of other graphical objects, however, the members of the window are not in scope. You have to qualify a member with a reference to the window.</p> <p>Each graphical object has the getWindow () member function, which conveniently returns a reference to the window. You can capture the reference in a local variable of the handler.</p> <p>CALL win.setEditItemsEnabled (TRUE)</p> <p>The example uses the reference to qualify the call to the setEditItemsEnabled () function. The call passes the TRUE parameter to enable the editing menu items while the user is in the text box.</p>
--

904

<p>Text Window</p> <p>Text to edit 906</p> <p>More text to edit 908</p> <p>CheckBox 910</p> <p>Use the edit menu to cut and paste text from one textbox to the other. Use the button to start a text editor so you can paste in the editor. Tab to the checkbox and button to see disabling of the menu items.</p>
--

Fig. 9N

Newt by Example

Features of the Edit Menu Example

Overview of the Edit Menu Example

The MAIN () function

Graphical Object Summary

Event Handler Summary

Important Event Handlers

- edit1TB :: focusin ()
- edit2TB :: focusin ()
- noneditCB :: focusin ()
- extMI :: activate ()
- cutMI :: activate ()
- copyMI :: activate ()
- pasteMI :: activate ()
- deleteMI :: activate ()

Extension Summary

Important Extensions

- editWin :: class extension
- editWin :: preheader extension
- editWin :: prebody extension

Newt by Example

edit2TB :: focusin ()

editw.wit - in edit2TB handler for edit2TB.focusin event

VARIABLE

win editWin = getWindow()

CALL win.setEditItemsEnabled(SELF)

Calls the setEditItemsEnabled () function to enable the editing menu items when the user enters the text box. See also the discussion of edit1TB.focusin ().

edit window

Text to edit / 966

More text to edit / 968

Checkbox / 470

Use the edit menu to cut and paste text from one textbox to the other. Use the button to start a text editor so you can paste in the editor. Tab to the checkbox and button to see disabling of the menu items.

Fig. 90

Features of the Edit Menu Example

The MAIN () function

Event Handler Summary

```
edit1TB::focusIn()
```

```
edit2TB :: focusIn ()
```

```

noneditCB :: focusIn ()

```

```
exitMI :: activate ()
```

```
cutMI :: activate ( )
```

❏ copyMI :: activate ()

```
pasteM :: activate ()
```

```
deleteMI :: activate ()
```

Important Extensions

editWin :: class extension

editWin :: preheader extension

editWin :: prebody extension

```
noneditCB :: focusIn (
```

`editw.wil - in noneditCB handler for αCheckBox.focusIn event`

VARIABLE	MEAN	STANDARD DEVIATION	MINIMUM	MAXIMUM
AGE	34.2	10.5	21	55
SEX	1.0	0.0	1	1
EDUCATION	12.5	1.2	9	16
INCOME	15.2	3.8	10	25
UNEMPLOYMENT	0.5	0.5	0	2
CRIME	1.2	0.8	0	3
PROPERTY	0.8	0.6	0	2
PERSONALITY	1.5	0.7	0	3
HEALTH	1.0	0.5	0	2
RELIGION	1.0	0.0	1	1
POLITICS	1.0	0.0	1	1
ARTS	1.0	0.0	1	1
SPORTS	1.0	0.0	1	1
SCIENCE	1.0	0.0	1	1
LITERATURE	1.0	0.0	1	1
MUSIC	1.0	0.0	1	1
TECHNOLOGY	1.0	0.0	1	1
ENVIRONMENT	1.0	0.0	1	1
PEOPLE	1.0	0.0	1	1
PLANTS	1.0	0.0	1	1
ANIMALS	1.0	0.0	1	1
SPACE	1.0	0.0	1	1
TIME	1.0	0.0	1	1
WEATHER	1.0	0.0	1	1
CLIMATE	1.0	0.0	1	1
SOIL	1.0	0.0	1	1
WATER	1.0	0.0	1	1
AIR	1.0	0.0	1	1
LAND	1.0	0.0	1	1
SEA	1.0	0.0	1	1
SKY	1.0	0.0	1	1
SUN	1.0	0.0	1	1
MOON	1.0	0.0	1	1
STARS	1.0	0.0	1	1
PLANETS	1.0	0.0	1	1
COMETS	1.0	0.0	1	1
METEORS	1.0	0.0	1	1
NEBULAE	1.0	0.0	1	1
BLACK HOLES	1.0	0.0	1	1
WHITE DWARFS	1.0	0.0	1	1
RED GIANTS	1.0	0.0	1	1
BLUE GIANTS	1.0	0.0	1	1
YELLOW GIANTS	1.0	0.0	1	1
PURPLE GIANTS	1.0	0.0	1	1
ORANGE GIANTS	1.0	0.0	1	1
GREEN GIANTS	1.0	0.0	1	1
BROWN GIANTS	1.0	0.0	1	1
BLACK GIANTS	1.0	0.0	1	1
WHITE GIANTS	1.0	0.0	1	1
RED GIANTS	1.0	0.0	1	1
BLUE GIANTS	1.0	0.0	1	1
YELLOW GIANTS	1.0	0.0	1	1
PURPLE GIANTS	1.0	0.0	1	1
ORANGE GIANTS	1.0	0.0	1	1
GREEN GIANTS	1.0	0.0	1	1
BROWN GIANTS	1.0	0.0	1	1
BLACK GIANTS	1.0	0.0	1	1
WHITE GIANTS	1.0	0.0	1	1
RED GIANTS	1.0	0.0	1	1
BLUE GIANTS	1.0	0.0	1	1
YELLOW GIANTS	1.0	0.0	1	1
PURPLE GIANTS	1.0	0.0	1	1
ORANGE GIANTS	1.0	0.0	1	1
GREEN GIANTS	1.0	0.0	1	1
BROWN GIANTS	1.0	0.0	1	1
BLACK GIANTS	1.0	0.0	1	1
WHITE GIANTS	1.0	0.0	1	1
RED GIANTS	1.0	0.0	1	1
BLUE GIANTS	1.0	0.0	1	1
YELLOW GIANTS	1.0	0.0	1	1
PURPLE GIANTS	1.0	0.0	1	1
ORANGE GIANTS	1.0	0.0	1	1
GREEN GIANTS	1.0	0.0	1	1
BROWN GIANTS	1.0	0.0	1	1
BLACK GIANTS	1.0	0.0	1	1
WHITE GIANTS	1.0	0.0	1	1
RED GIANTS	1.0	0.0	1	1
BLUE GIANTS	1.0	0.0	1	1
YELLOW GIANTS	1.0	0.0	1	1
PURPLE GIANTS	1.0	0.0	1	1
ORANGE GIANTS	1.0	0.0	1	1
GREEN GIANTS	1.0	0.0	1	1
BROWN GIANTS	1.0	0.0	1	1
BLACK GIANTS	1.0	0.0	1	1
WHITE GIANTS	1.			

```
win editWin = getWindow()
```

CALL win.setEditItemsEnabled(SELF)

Works in the same way as the `editTB` focus in () but passes the `FALSE` parameter to disable the editing menu items while the user is in the check box.

Call the `setEnabled()` function to disable the editing menu items when the user enters the check box. The user cannot paste into a check box.

1101 West 1st

Text to edit

☒ CheckBox

More text to edit

Use the edit menu to cut and paste text from one textbox to the other. Use the button to start a text editor so you can paste in the editor. Tab to the checkbox and button to see disabling of the menu items.

Fig. 9P

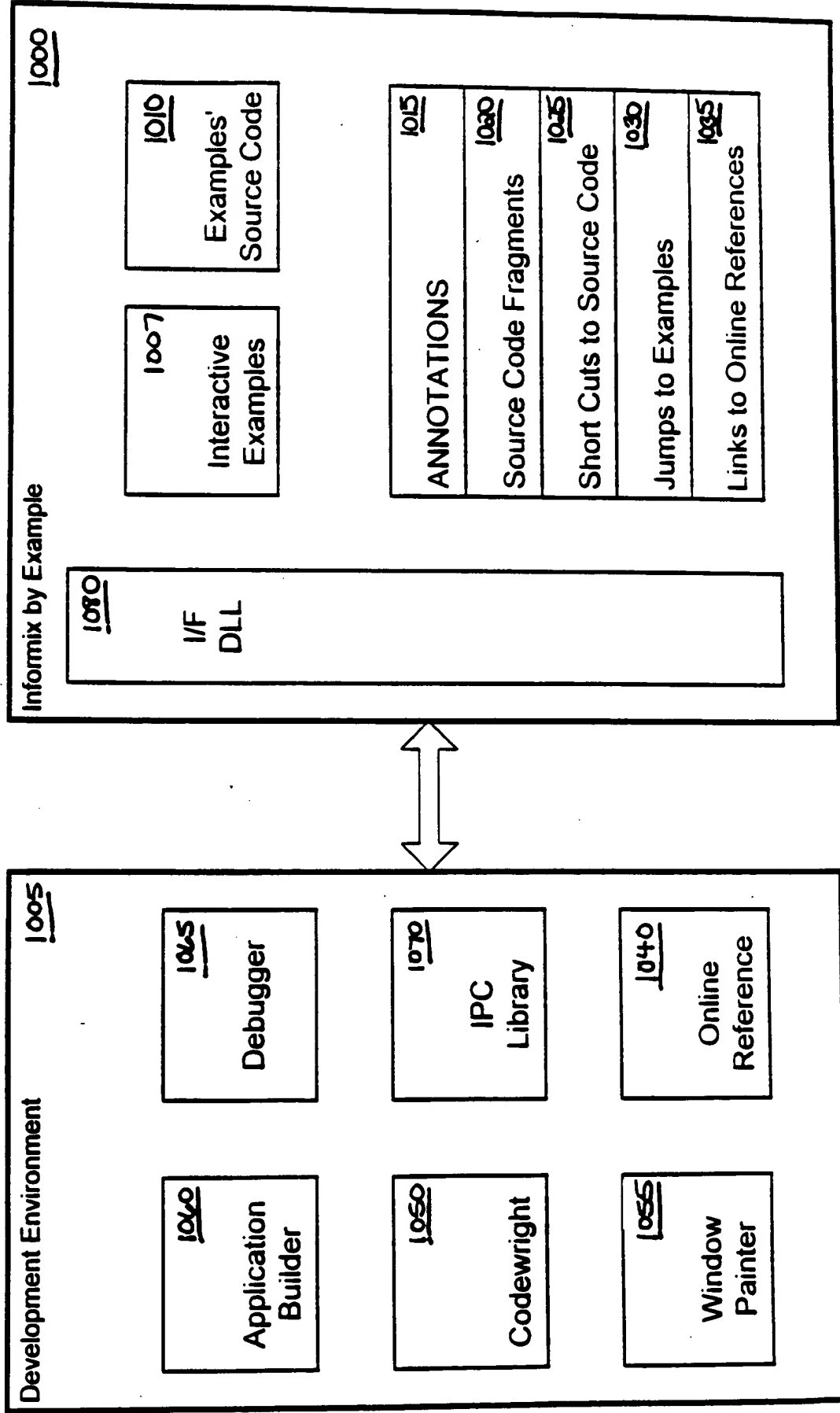


Fig. 10


```

FUNCTION driveStockRpt( destType SMALLINT, destName CHAR(*) ) RETUR
1200 NING VOID
{.normal
  Since objects, in particular ixRow objects, cannot be passed
  as arguments to the report formatter, rows of fetched data will
  be unpacked into a record that matches the data types and lengths
  of elements in the fetched rows.
}
VARIABLE
  stockRec RECORD
    mn CHAR(15),      -- manufact.manu_name
    sn SMALLINT,      -- stock.stock_num
    sd CHAR(15),      -- stock.description
    sp MONEY(6,2),    -- stock.unit_price
    su CHAR(4)        -- stock.unit
  END RECORD,

  stockStmt ixSQLStmt,
  stmtString CHAR(*),
  stockRow ixRow,

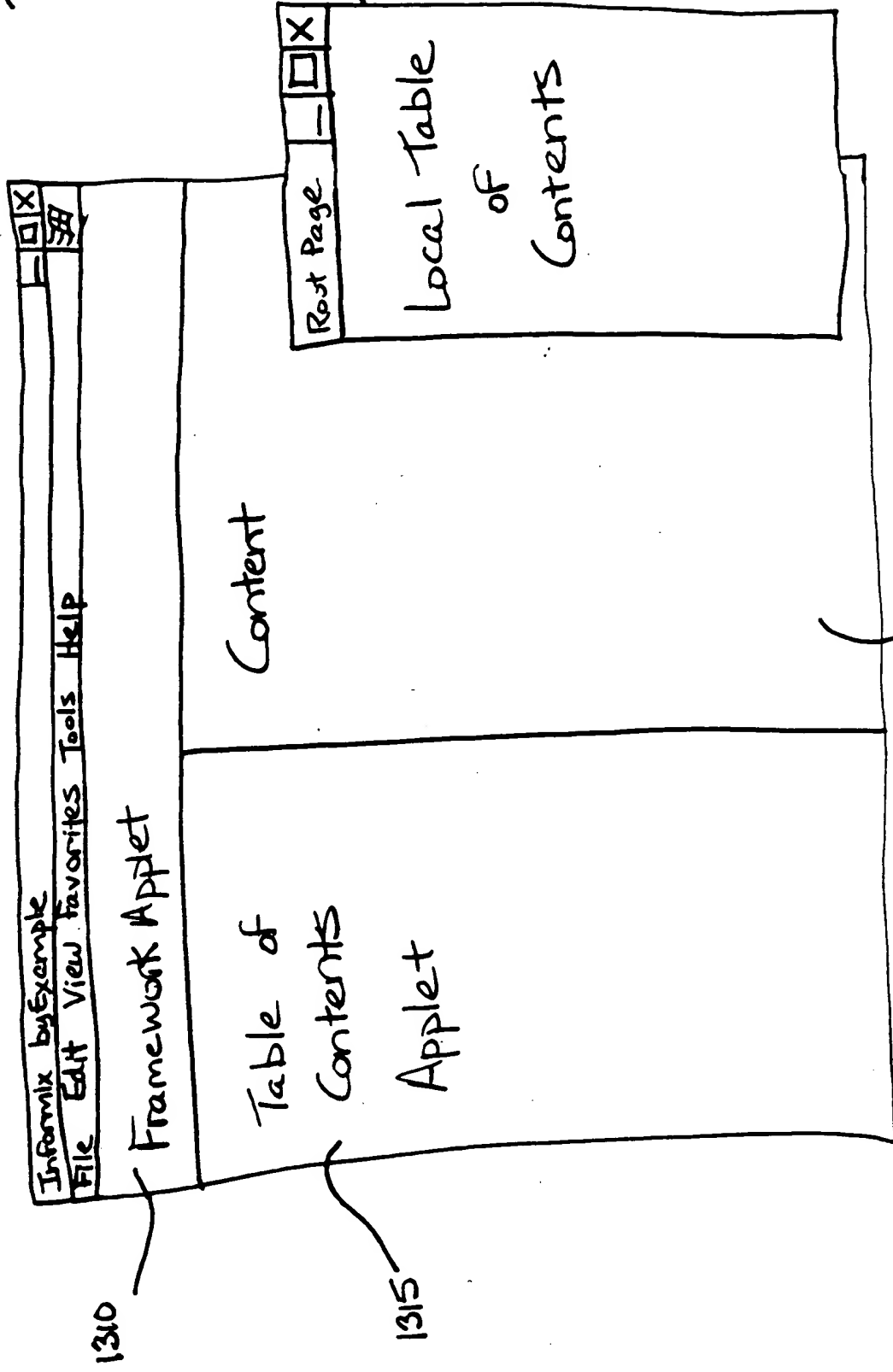
  errorCode INTEGER,
  logFile ixErrorLog
1205 {.normal
  Use the implicit connection object to create an SQL statement
  object. The connection object must already be connected to a
  database.
  Checking the status of the prepare( ) call will confirm this.
1210 }
{.[edit stmt]
  LET stockStmt =
1215 ixSQLConnect::getImplicitConnection().createStmtObject()
{.[file stmt]

```

Fig. 12

004027 E4032260

1300



1305

Fig. 13

1300

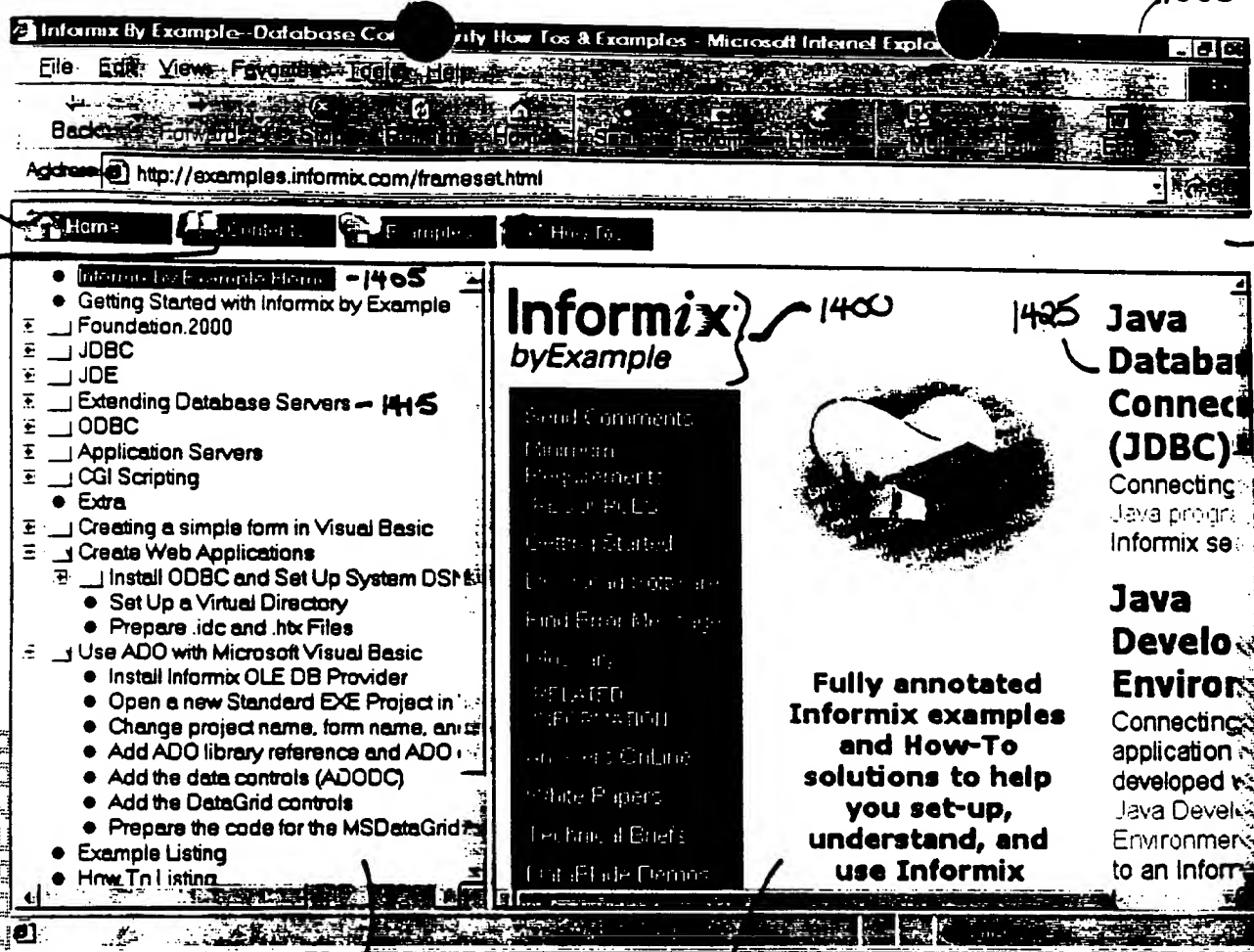


Fig. 14A

1300

1430

1310

1410

1425

1305

0072073-120400

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Connecting a web application developed within a Java Development Environment (JDE) to an Informix database environment.

Extending Database Servers

Using and Writing DataBlade Modules.

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Connecting your C program to a database server.

Application Servers

Using network application servers in conjunction

Fig. 14B

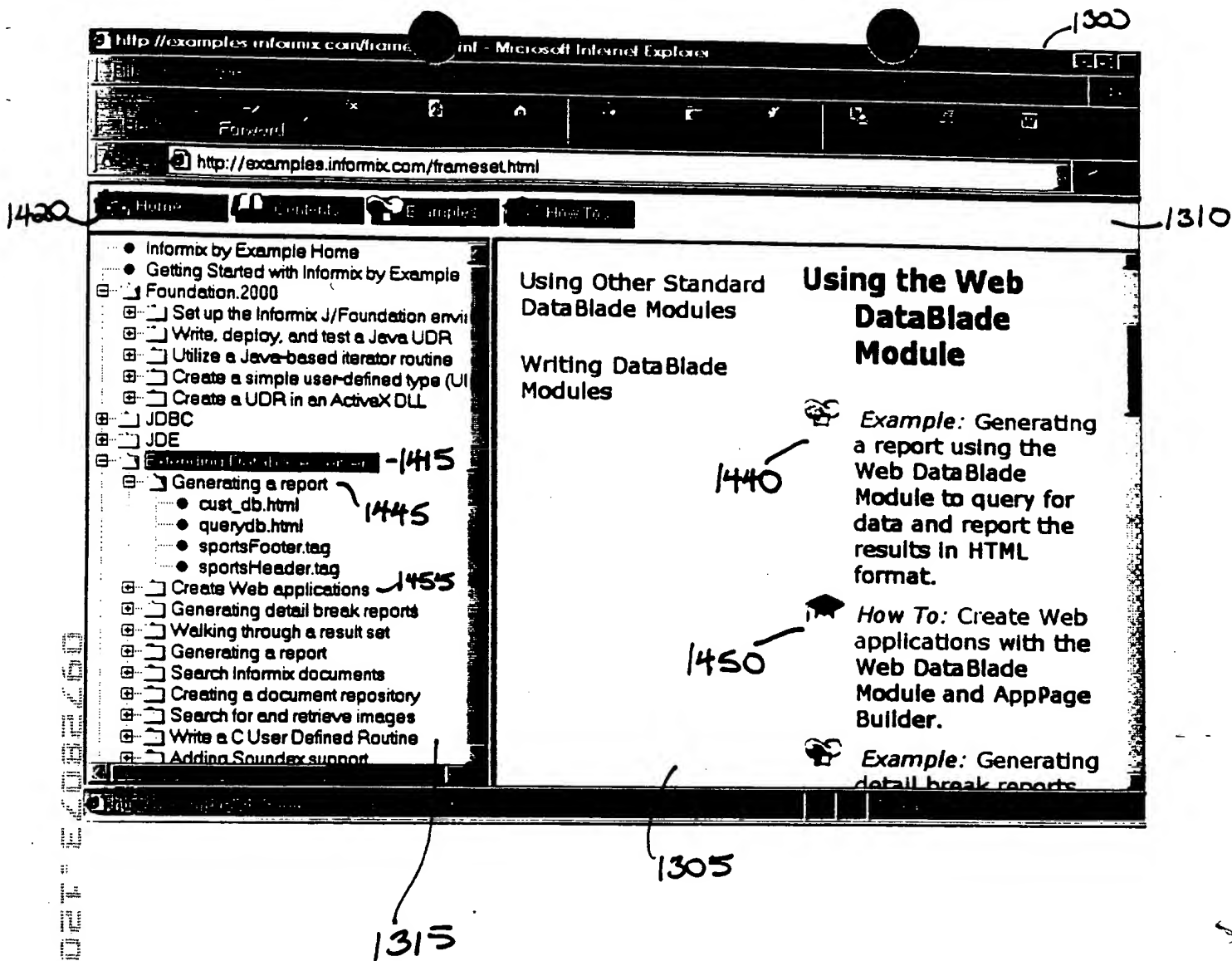
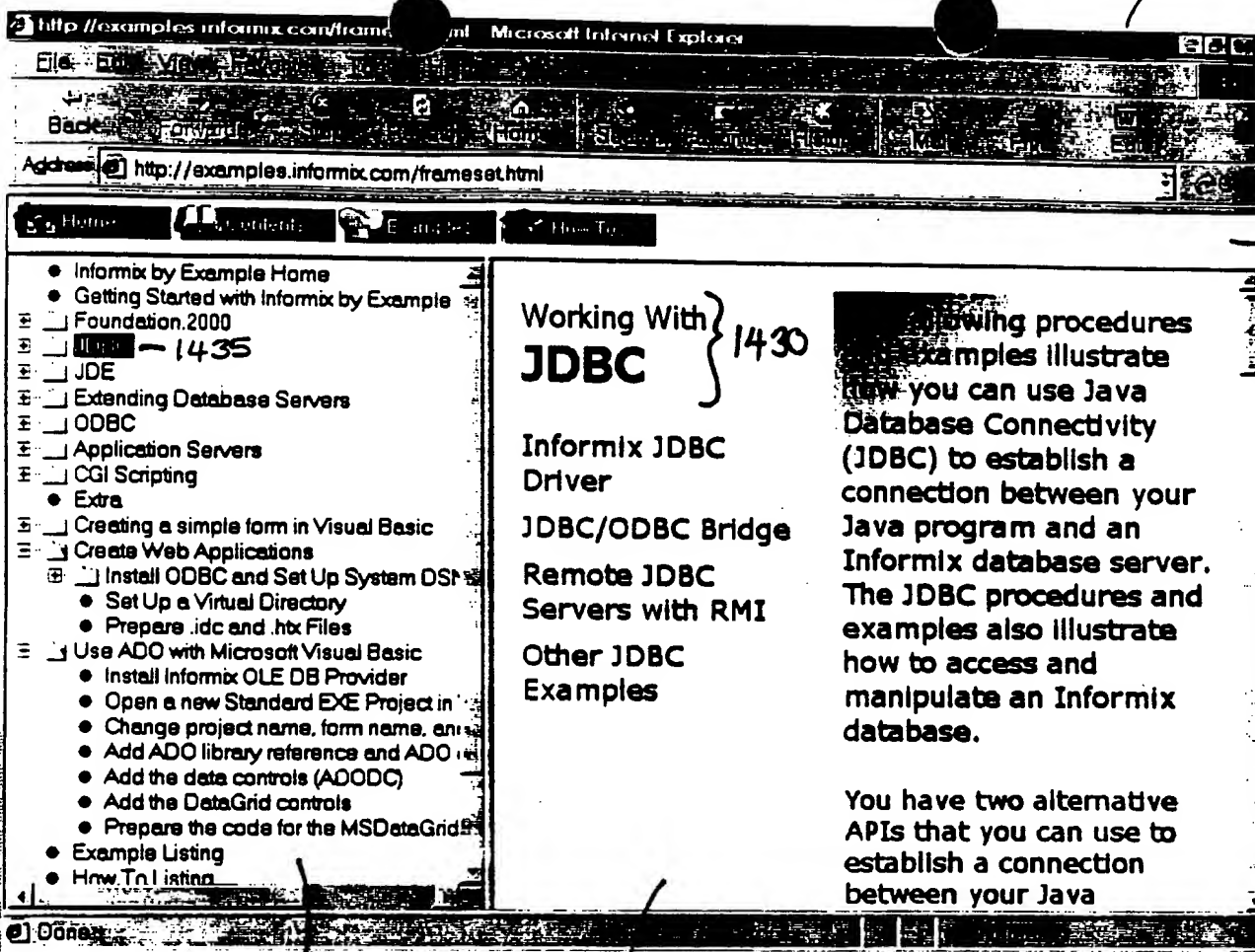
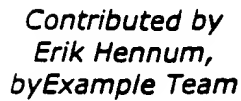


Fig. 14C



1500



✓ 1505

1505

1505

1505

1505

 [Click here to view or print all of the source files for this example.](#)

Fig. 15B

querydb.html File

This HTML page contains a form that invokes an app page instead of a CGI program to process the values in the form.

The sportsHeader dynamic tag creates a standard header for the HTML page as well as standard opening text.

<?sportsHeader title="Customer Query">

As its action, the form must specify the Web Driver utility.

<P>
<FORM ACTION="<?MIVAR>\$WEB_HOME<?/MIVAR" METHOD="GET">

To specify the app page, the form must use a hidden input component. The input component must have a name of **Mival** and a value that's the name of the app page. The input component below specifies the cust_db.html app page.

<INPUT TYPE="HIDDEN" NAME="Mival" VALUE="/examples/CustRpt/cust_db.html">

Optional state:

<INPUT TYPE="TEXT" NAME="selectState" SIZE="3" MAXLENGTH="2">

<INPUT TYPE="SUBMIT" NAME="Submit" VALUE="Submit">

</FORM>

</P>

</BODY>

</HTML>

Fig. 15D

18 } 1535

1560

er { 1535

Fig. 15E

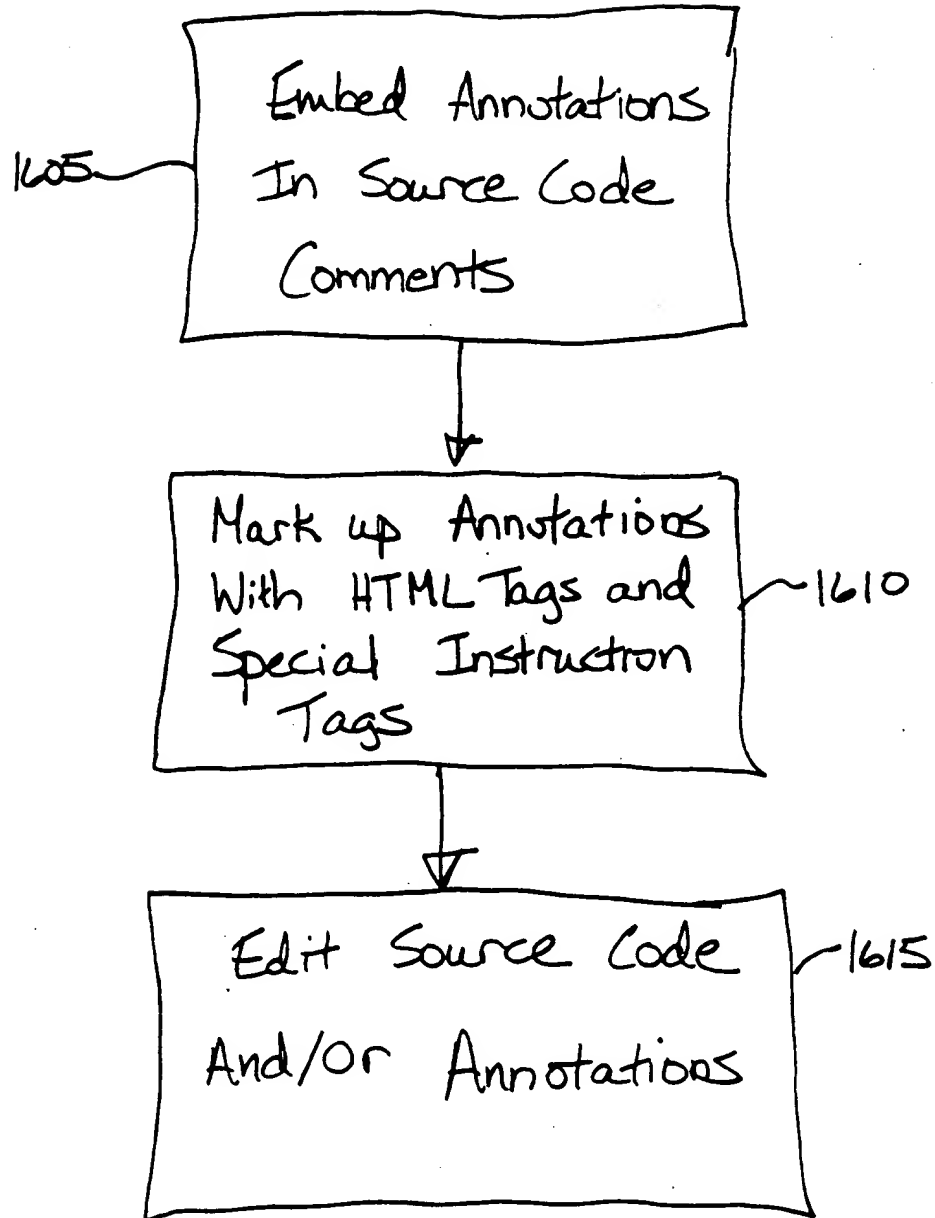
[illegible]

Fig. 16A

1620

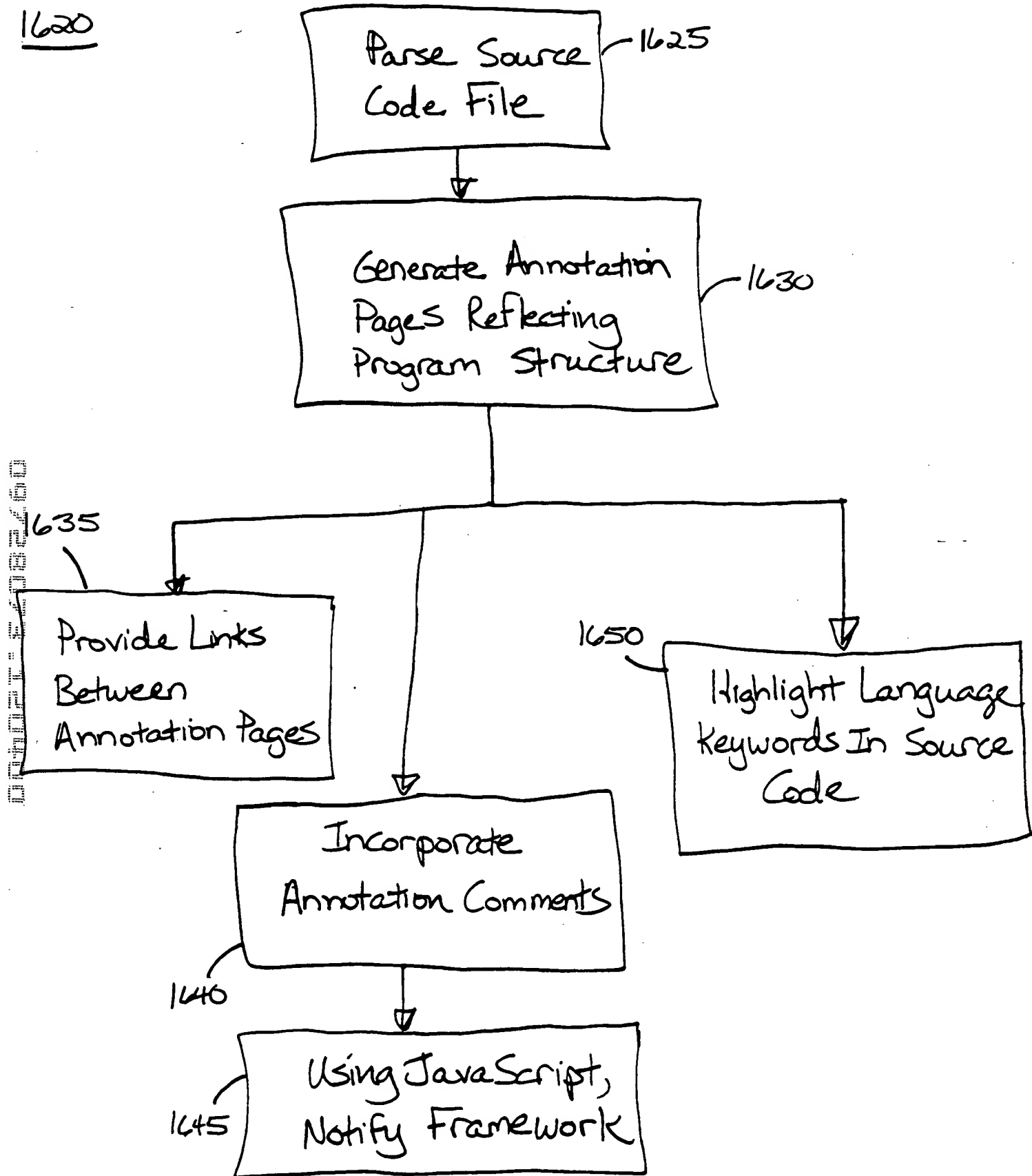


Fig. 16B

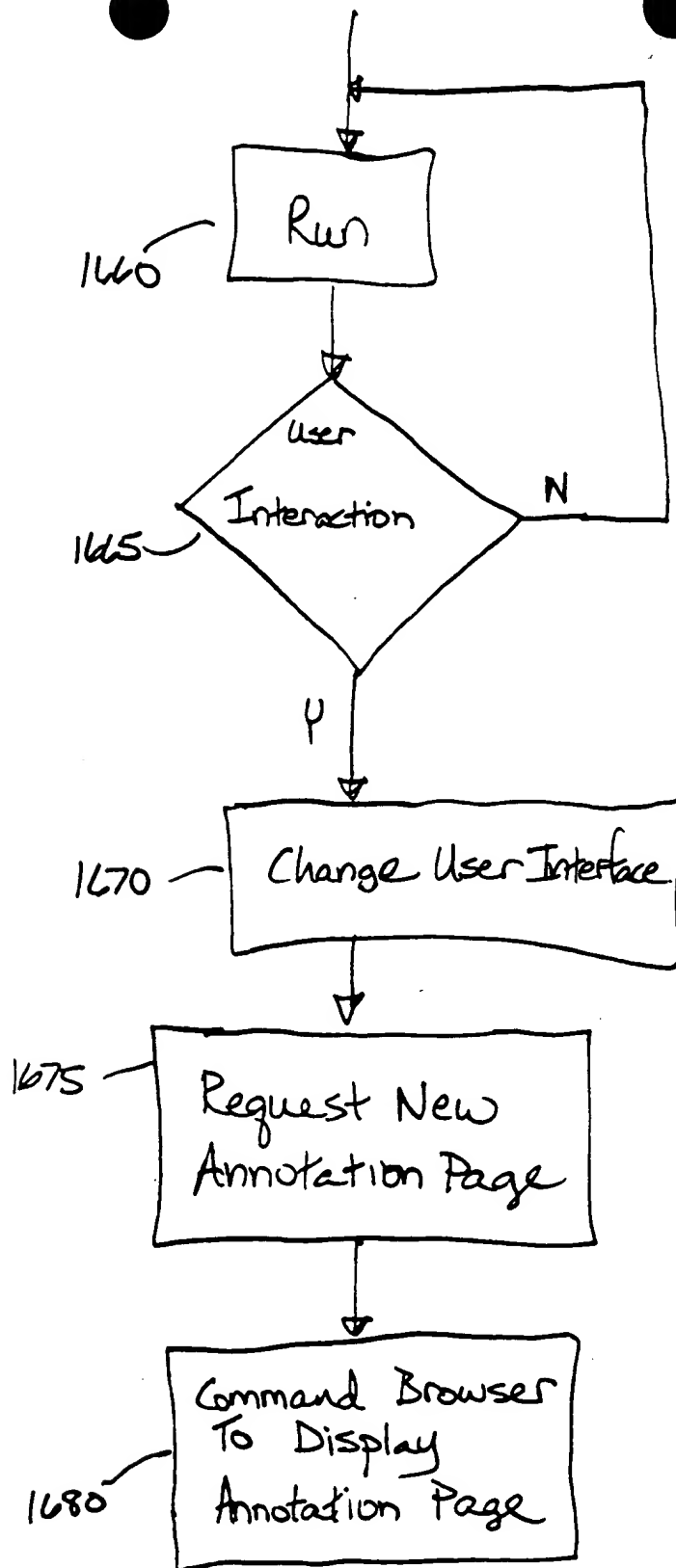


Fig. 16C

004027 E 2002 600

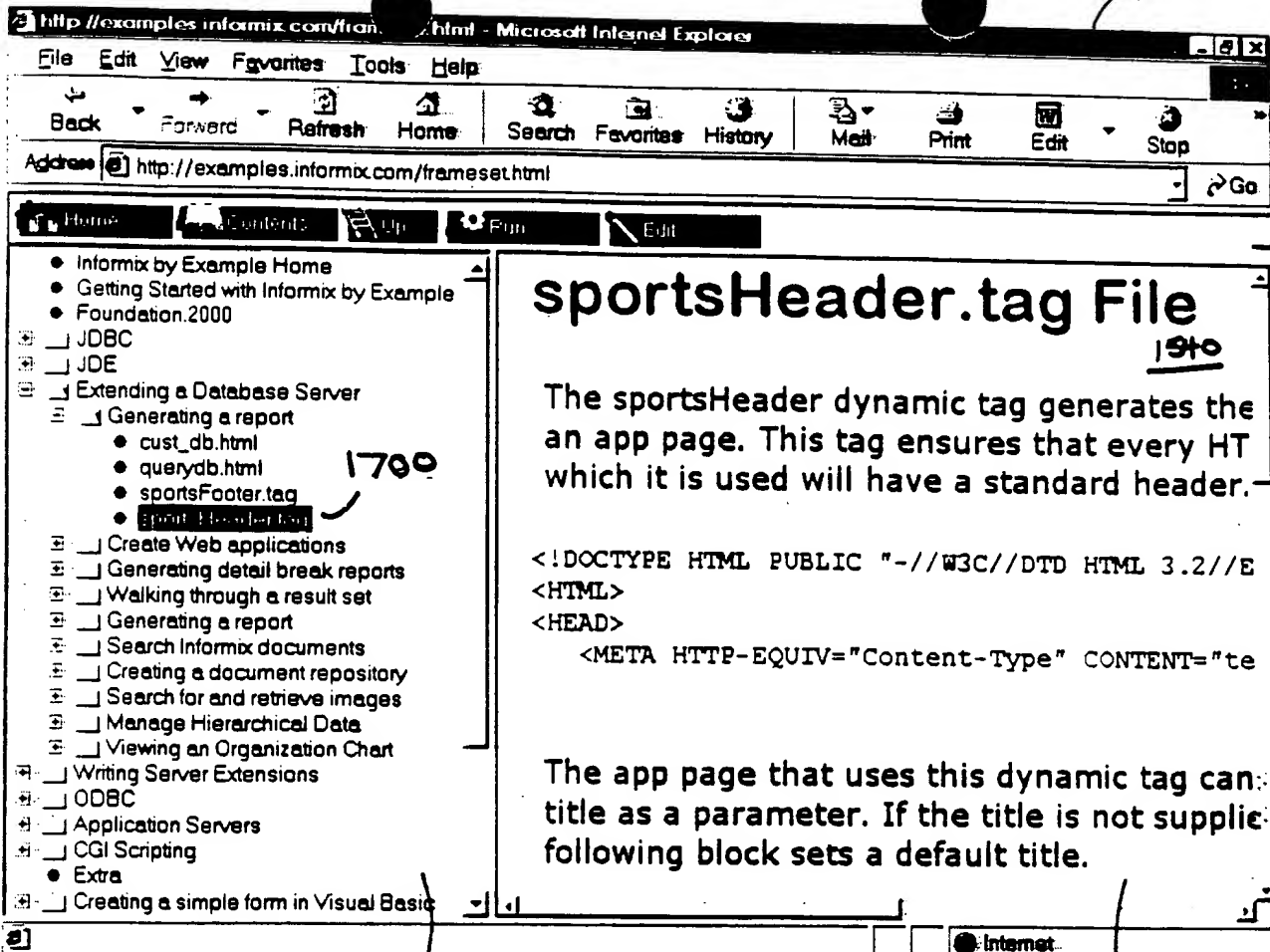


Fig. 17A

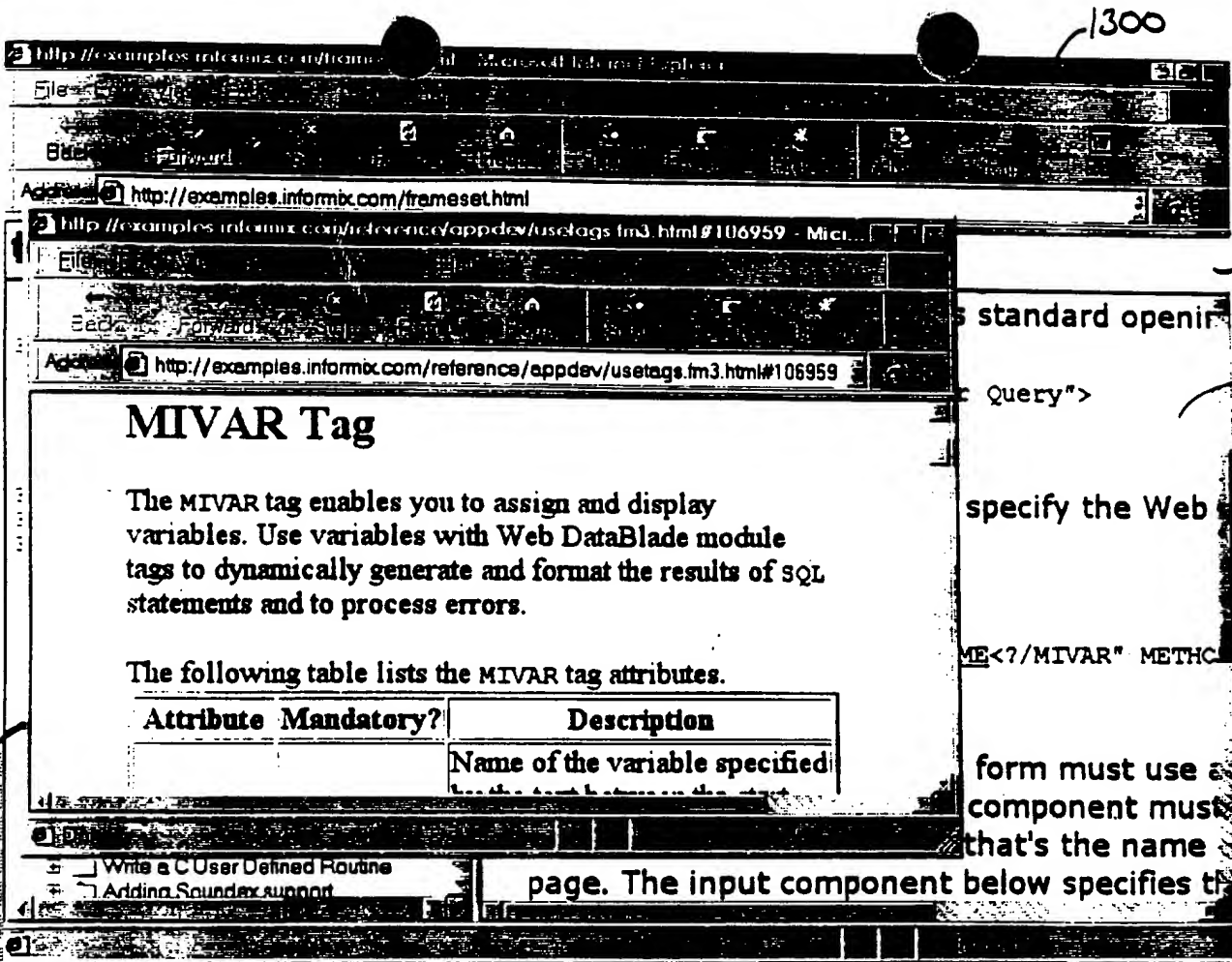


Fig. 17B

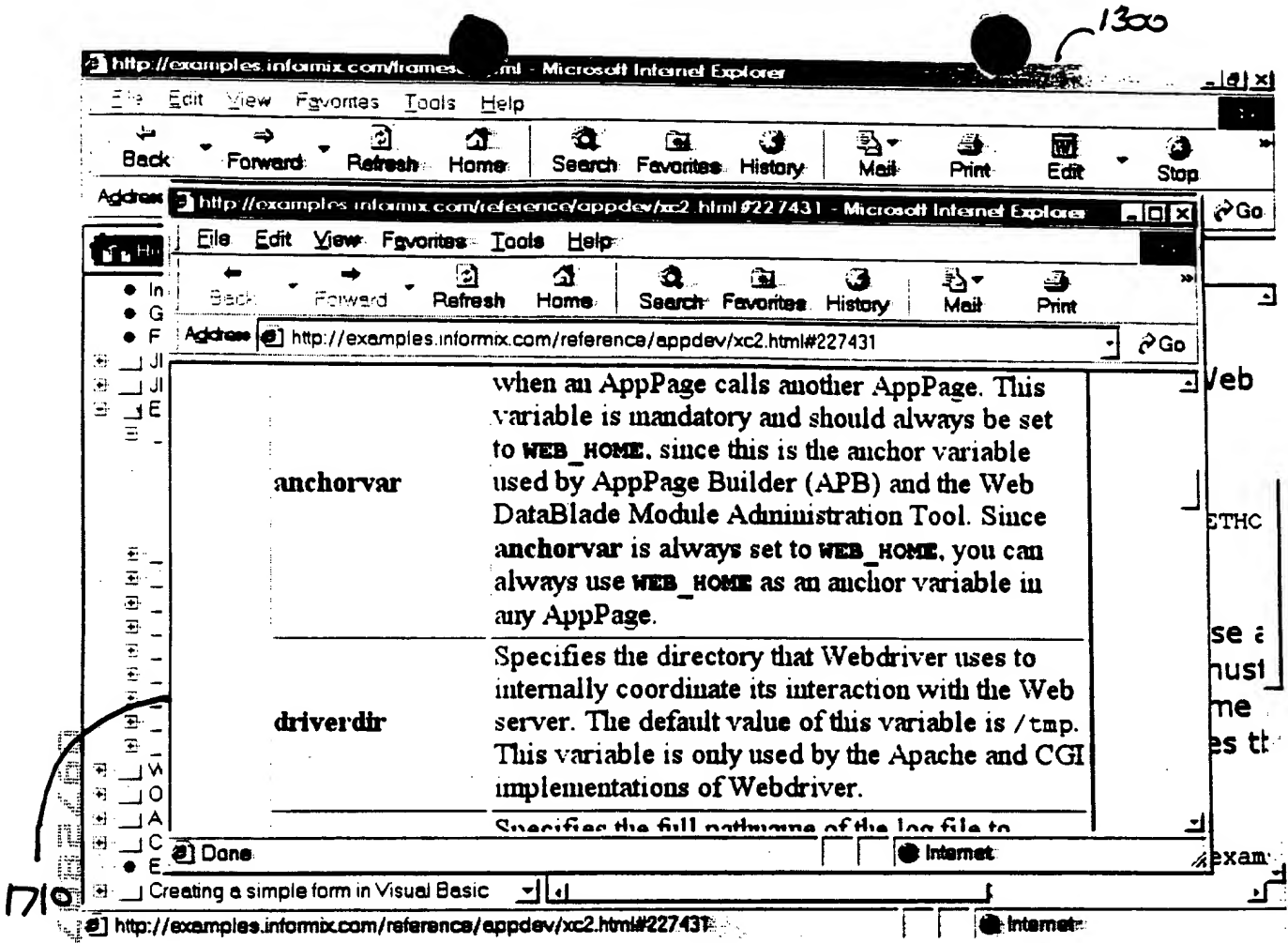
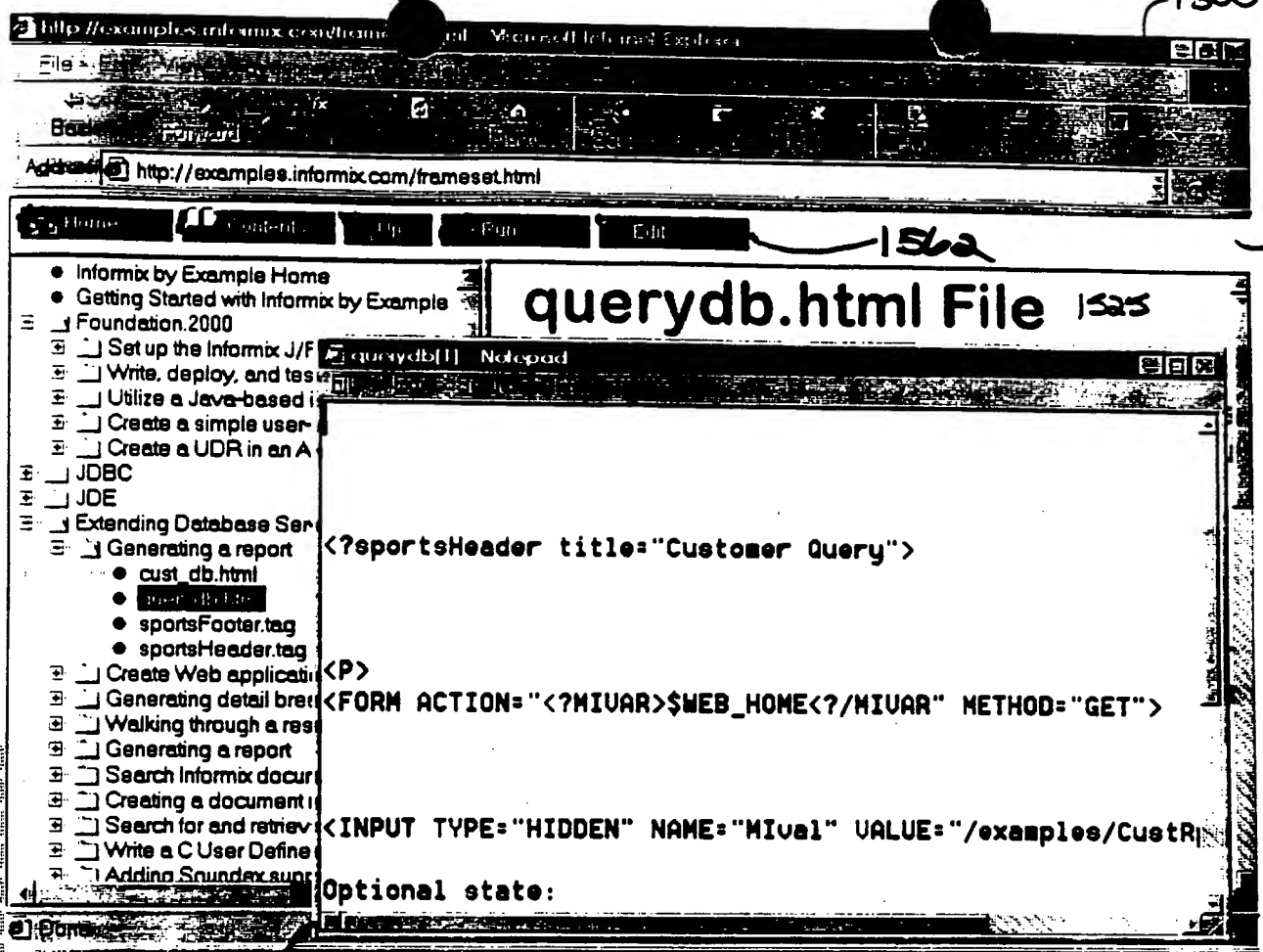


Fig. 17C

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Fig. 17D

004027 E2032260

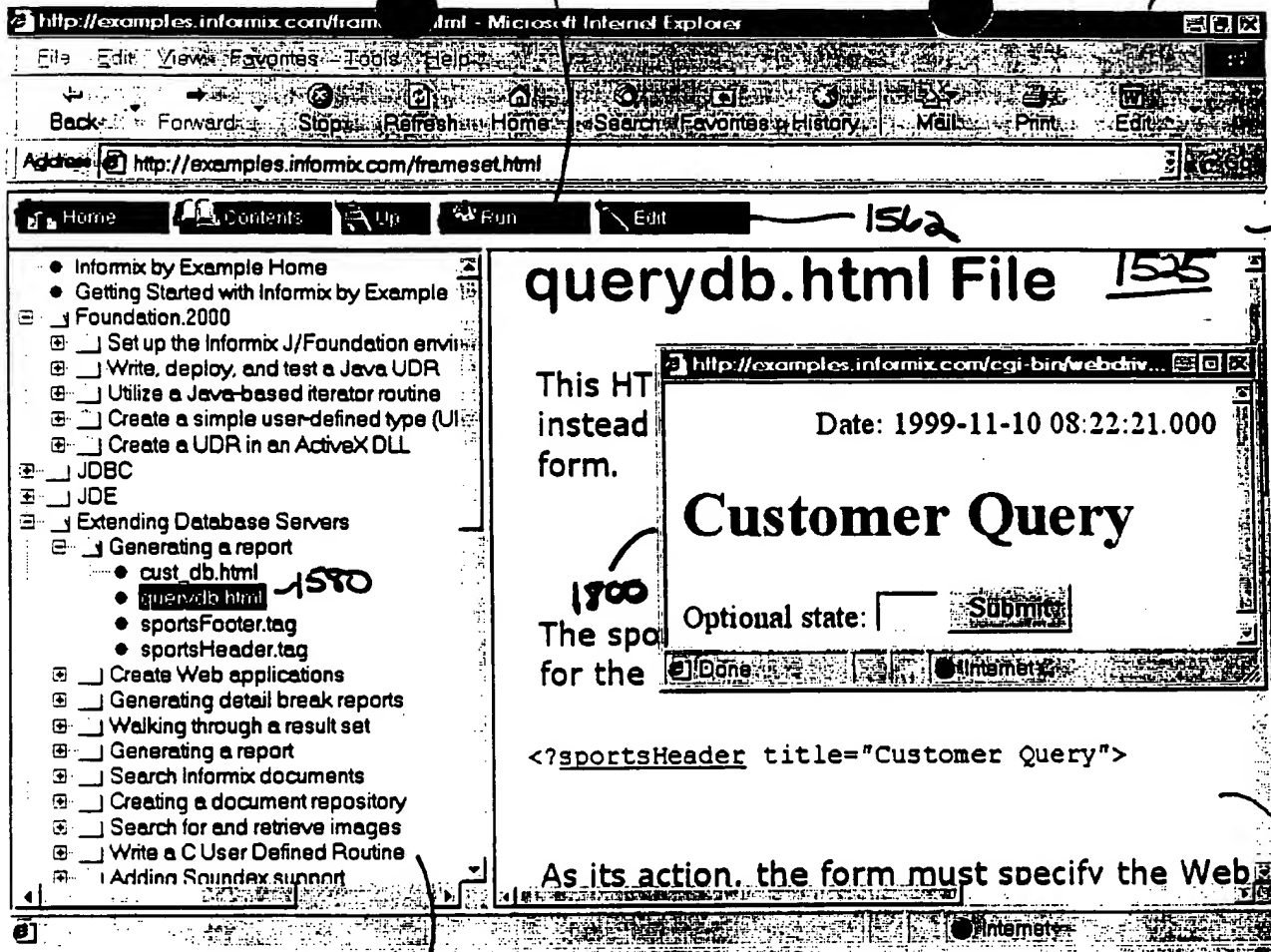


Fig. 18A

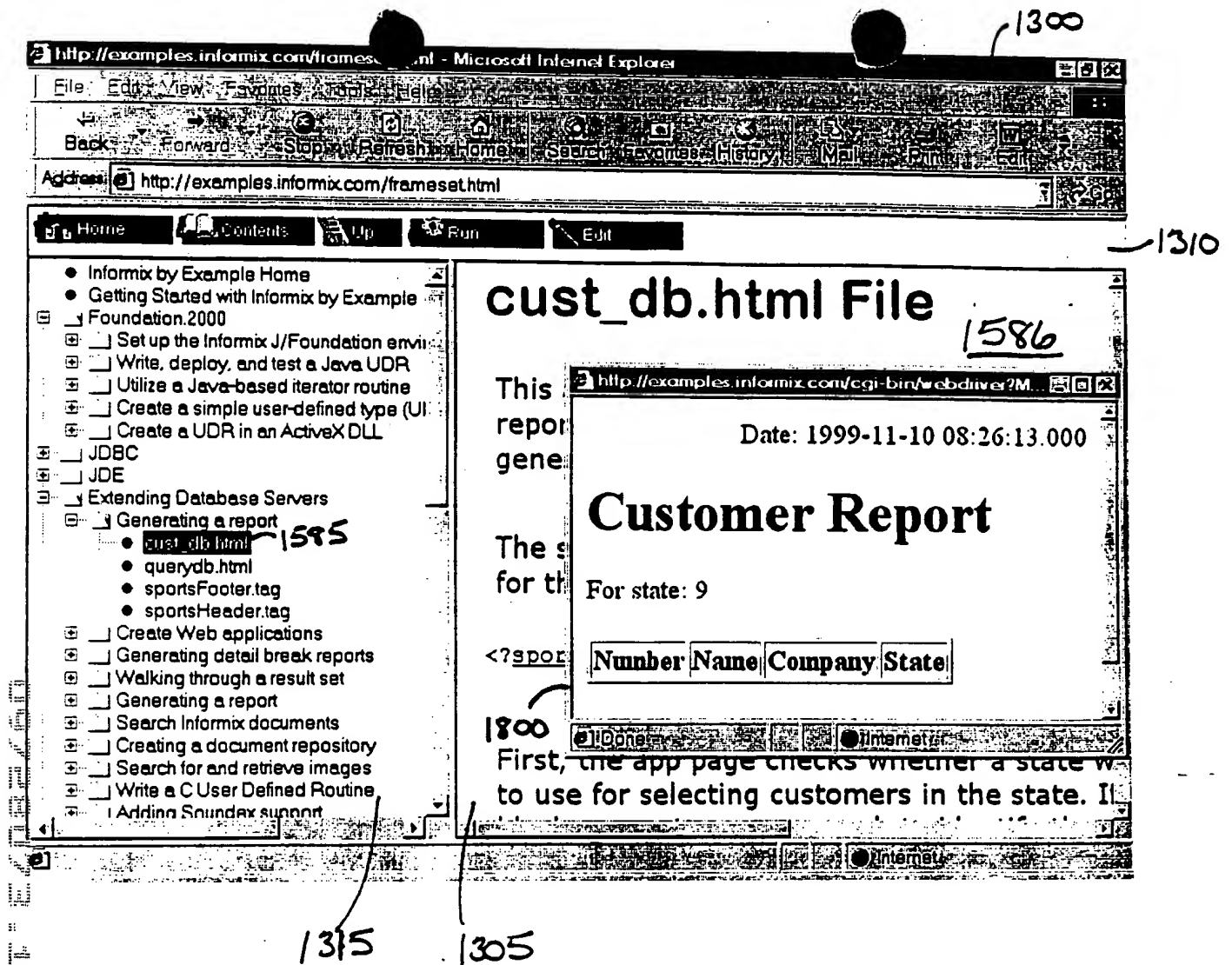


Fig. 18B

1810

```

<!-- <ibyx>
<intro>
<p><abstract>This app page accepts a query and generates an HTML
report</abstract> in response.
The app page uses dynamic tags to generate the header and footer for the
HTML report.
</p>
</intro>
</ibyx> -->
<!-- <ibyx>
<p>The sportsHeader dynamic tag creates a standard header
for the HTML page as well as standard opening text.
</p>
</ibyx> -->
<?sportsHeader title="Customer Report">

<!-- <ibyx>
<p>First, the app page checks whether a state was specified to use for
selecting customers in the state. If so, the block generates a
paragraph to identify the state.
</p>
</ibyx> -->
<?MIVAR NAME=$WHERE_STR><?/MIVAR>
<?MIBLOCK COND="$ (AND, $(XST, $selectState), $(, 0, $(STRLEN, $selectState))) ">
    <?MIVAR NAME=$WHERE_STR>WHERE state="$selectState"<?/MIVAR>
    <?MIVAR><P>For state: $selectState</P><?/MIVAR>
<?/MIBLOCK>

<!-- <ibyx>
<p>Next, the app page starts the table that will contain the data.
</p>
</ibyx> -->
    <P><TABLE BORDER="1">
        <TR>
            <TH>Number</TH><TH>Name</TH><TH>Company</TH><TH>State</TH>
        </TR>

<!-- <ibyx>
<p>The MISQL block queries for customers, optionally selecting only customers
from the specified state. Because the contents of the block are generated
for every row of data, a new table row describes each customer.

The &nbsp; HTML entity is a non-breaking space. By putting a non-breaking
space in each column, we force the Web Browser to display the column even
if the value is null.
</p>
</ibyx> -->
<?MISQL SQL="SELECT customer_num, fname, lname, company, state FROM customer $WHERE_STR;">
    <TR>
        <TD>$1&nbsp;</TD><TD>$2&nbsp;</TD><TD>$3&nbsp;</TD><TD>$4&nbsp;</TD><TD>$5&nbsp;</TD>
    </TR>

<?/MISQL>

    </TABLE></P>

<!-- <ibyx>
<p>The sportsFooter dynamic tag creates a standard footer
for the HTML page.
</p>
</ibyx> -->
<?sportsFooter>

```

Fig. 18C

1910 1920 1300

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Creating Web Applications with the Web DataBlade AppPage 1900



In this How To we'll build a simple Web application using a Web DataBlade Application Page (AppPage). This Web application will access an Informix database.

Requirements: IDS 9.x, the Web DataBlade module, BladeManager, and a web server. BladeManager is provided with IDS 9.x for UNIX. NT users must install BladeManager from the DataBlade Development Kit (DBDK).

These instructions assume you've already installed Informix IDS 9.x and have it running locally.

Internet

1310 1305

1315

Fig. 19A



Creating Web Applications with the Web DataBlade AppPage

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1900

In this How To we'll build a simple Web application using a Web DataBlade Application Page (AppPage). This Web application will access an Informix database.

Requirements: IDS 9.x, the Web DataBlade module, BladeManager, and a web server. BladeManager is provided with IDS 9.x for UNIX. NT users must install BladeManager from the DataBlade Development Kit (DBDK).

These instructions assume you've already installed Informix IDS 9.x and have it running locally.

- Define a server connection and prepare a sample database.
 1. Define a server connection with setnet32 (NT). Create a sample database or use the stores7 demo database. ▶ Prepare Database.
 2. Prepare the Web DataBlade development environment.
 - ▶ Prepare Web DataBlade Development Environment.
 3. Register the Web DataBlade module in the demo database with BladeManager. ▶ Register the Web DataBlade.
 4. Create a sbspace for smart large objects, like gifs. ▶ Create Smart Blob Space (sbspace).
 5. Install AppPage Builder in your database. ▶ Install AppPage Builder in Your Database.
 6. Setup AppPage Builder on your web server. ▶ Setup AppPage Builder on Your Web Server.
 7. Create a sample AppPage. ▶ Create Sample AppPage.
- Run the sample application.
8. Enter the URL `http://your_server/scripts/webdriver.exe`.



This How To has been compiled into two separate files for ease of printing. The basic file contains all of the steps you need to Create Web Applications with AppPage Builder. The secondary file contains additional detailed instructions for setting and testing database environment properties.

1300

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Creating the Web AppPage

1320

Warning: Applet Window

In this How To we'll build a simple Web application using a Web DataBlade Application Page (AppPage). This Web application will access an Informix database.

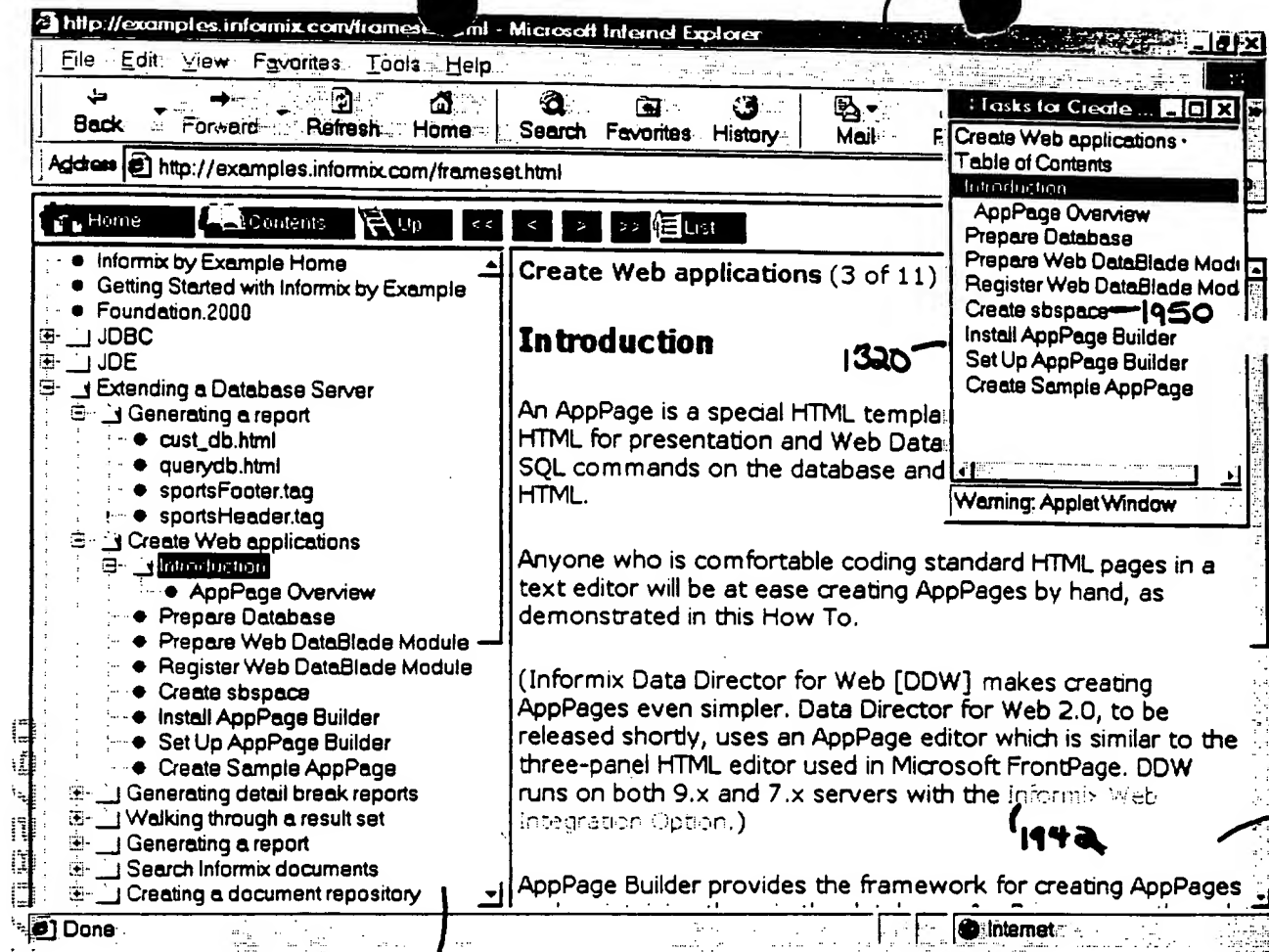
Requirements: IDS 9.x, the Web DataBlade module, BladeManager, and a web server. BladeManager is provided with IDS 9.x for UNIX. NT users must install BladeManager from the DataBlade Development Kit (DBDK).

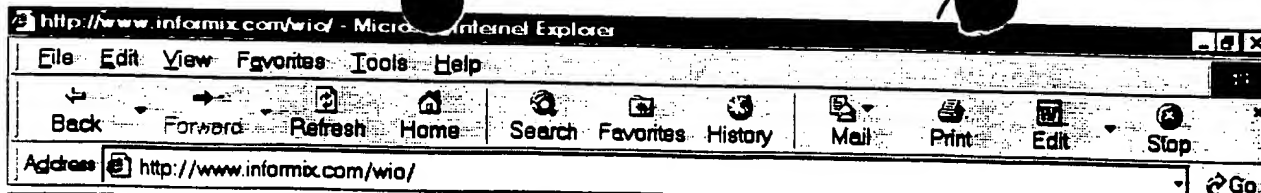
These instructions assume you've already installed Informix IDS 9.x and have it running locally.

Done Internet

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Fig. 19C





Informix

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1945

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Informix Web Integration Option Overview

Informix Web Integration Option provides high-performance connectivity between Web servers and Informix Dynamic Server. Web Integration Option enables Web developers to rapidly create, manage, and deploy value-added Web applications that dynamically deliver tailored Web pages to a corporation's Internet, intranet, and extranet users.

With its openness and highly optimized integration, Web Integration Option enables organizations to exploit the power of Informix Dynamic Server while using the tools and languages they already know.

Web Integration Option offers:

Internet

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Fig. 19E

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Create Web applications

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4. Prepare Web DataBlade Module
5. Register Web DataBlade Module
6. Create sbspace
7. Install AppPage Builder
8. Set Up AppPage Builder
9. Create Sample AppPage

Warning: Applet Window

Internet

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Fig. 19F

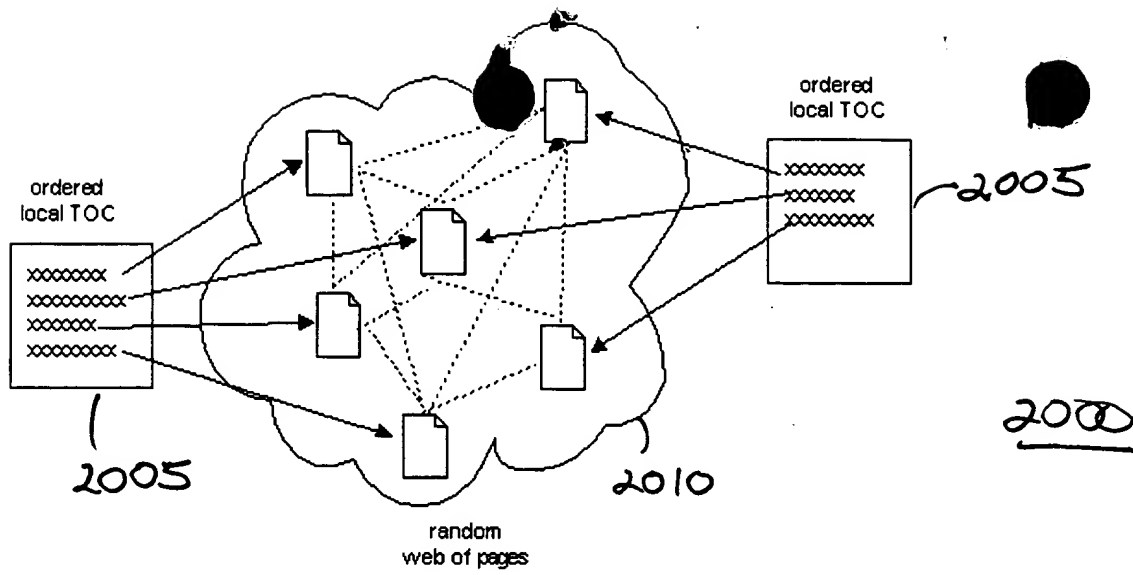


Fig. 20

007507-40400